

Tue Dec 30 06:50:35 2003

us-09-895-263b-4.closed.rai

Page 1

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OM protein - protein search, using sw model

Run on: December 29, 2003, 16:11:33 ; Search time 21 Seconds
(without alignments)
558.100 Million cell updates/sec

Title: US-09-895-263B-4

Perfect score: 1463
Sequence: 1 MENTENSVDKSKIKLEPKI.....AKQIPCTIVSMITKELYFYH 277

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 277631

Minimum DB seq length: 0
Maximum DB seq length: 277

Post-Processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database:

Issued Parents AA: *
1: /cgn2_6/prodata/1/1aa/5A_COMB.pep: *
2: /cgn2_6/prodata/1/1aa/5B_COMB.pep: *
3: /cgn2_6/prodata/1/1aa/5A_COMB.pep: *
4: /cgn2_6/prodata/1/1aa/5B_COMB.pep: *
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6: /cgn2_6/prodata/1/1aa/5B_COMB.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1463	100.0	277	3	US-08-591-605-2
2	1463	100.0	277	3	US-08-964-308-6
3	1463	100.0	277	3	US-08-462-969B-4
4	1463	100.0	277	3	US-08-964-313-6
5	1463	100.0	277	4	US-09-069-138-6
6	1463	100.0	277	4	US-09-124-934A-4
7	1463	100.0	277	4	US-08-234-251D-4
8	1460	99.8	277	4	US-09-561-756-12
9	1460	99.8	277	4	US-09-227-121-12
10	1460	99.8	277	4	US-08-983-502-10
11	1460	99.8	277	4	US-08-724-378D-5
12	1460	99.8	277	4	US-09-516-747-30
13	1460	99.8	277	5	PCT-US96-10521-30
14	1453	99.3	277	3	US-08-964-308-10
15	1453	99.3	277	3	US-08-964-313-10
16	1453	99.3	277	3	US-09-069-138-10
17	1304	89.1	277	2	US-08-890-542A-2
18	761	52.0	148	3	US-08-964-308-11
19	761	52.0	148	3	US-08-964-313-11
20	761	52.0	148	3	US-09-069-138-11
21	418.5	28.6	204	1	US-08-446-925-7
22	418.5	28.6	204	2	US-09-146-331-7
23	418.5	28.6	204	2	US-08-896-885-7
24	418.5	28.6	204	4	US-09-375-256-7
25	347.5	23.4	266	4	US-09-376-156-7
26	347.5	23.4	266	4	US-08-983-502-20
27	342.5	23.4	266	4	US-09-516-747-20

28	342.5	23.4	266	5	PCT-US96-10521-20
29	298	20.4	203	3	US-08-852-936C-4
30	298	20.4	203	3	US-09-300-328-4
31	274	18.7	260	4	US-09-187-789-2
32	274	18.7	260	4	US-09-139-600-2
33	273.5	18.7	242	4	US-09-187-789-5
34	250	17.1	51	4	US-09-187-789-34
35	250	17.1	51	4	US-09-139-600-29
36	244	16.7	58	4	US-09-187-789-27
37	244	16.7	58	4	US-09-139-600-22
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39	217	14.8	42	4	US-09-187-789-33
40	217	14.8	42	4	US-09-139-600-28
41	205.5	14.0	223	2	US-08-394-189B-22
42	204.5	14.0	230	4	US-09-187-789-7
43	191	13.1	39	4	US-09-187-789-30
44	191	13.1	39	4	US-09-139-600-25
45	190	13.0	47	4	US-09-187-789-28

ALIGNMENTS

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RESULT 1
US-08-591-605-2
Sequence 2, Application US/08591605
Patent No. 6060238
GENERAL INFORMATION:
APPLICANT: Dixit, Vishva M.
TITLE OF INVENTION: METHOD AND COMPOSITION FOR REGULATING
TITLE OF INVENTION: APOPTOSIS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: PALO ALTO
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/591.605
FILING DATE: 09-FEB-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: KONGKI, ANTOINETTE F.
REGISTRATION NUMBER: 34,202
REFERENCE/DOCKET NUMBER: 20344-21036.21
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 813-5600
TELEFAX: (415) 494-0792
TELEX: 706141 MRSNFOERS SFO
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-591-605-2
Query Match 100.0% Score 1463; DB 3; Length 277;
Best Local Similarity 100.0%; Pred. No. 2.2e-161;
Matches 277; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 1 MENTENSVDKSKIKLEPKIHGSGMSDGLSDNSYKMDYPENGLCTIINKKPHKSTG 60
Db 1 MENTENSVDKSKIKLEPKIHGSGMSDGLSDNSYKMDYPENGLCTIINKKPHKSTG 60
OY 61 MRSRGTVDANLAFETRNKLKYEVRKNQDLTRETIVELMEDVSKEDHSKSSFFCVLLS 120
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DB 61 MRSRSGTDVDAANLRETFRNLYKYEVRNKNDDLREIIVELMRDVSXEDHSSKSSFFVCVLLS 120
QY 121 HGEEGIIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
DB 121 HGEEGIIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
QY 181 DMACHKIPVADFLYAVSTAPGYYSWRNSKDGSMFIQSLCAMLKQYADKLEFVHILTRVN 240
DB 181 DMACHKIPVADFLYAVSTAPGYYSWRNSKDGSMFIQSLCAMLKQYADKLEFVHILTRVN 240
QY 241 RKVATEPESFSPDATHAKQIPCIYSMLTKELYFVH 277
DB 241 RKVATEPESFSPDATHAKQIPCIYSMLTKELYFVH 277

RESULT 2

US-08-364-308-6
Sequence 6, Application US/08964308
Patent No. 6066715
GENERAL INFORMATION:
APPLICANT: DESVARAIS, SYLVIE
APPLICANT: FRISEN, RICHARD
APPLICANT: ZAMBONI, ROBERT
TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE
TITLE OF INVENTION: BINDING ASSAY
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROBERT J. NORTH - MERCK & CO., INC.
STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
CITY: RAHWAY
STATE: NJ
COUNTRY: USA
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Diskette
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/964,308
FILING DATE: 04-NOV-1996
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: NORTH, ROBERT J.
REGISTRATION NUMBER: 27,366
REFERENCE/DOCKET NUMBER: 19840 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-7262
TELEFAX: 732-594-4720
TELEX:
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-364-308-6

Query Match 100.0%; Score 1463; DB 3; Length 277;
Best Local Similarity 100.0%; Pred. No. 2.2e-161;
Matches 277; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSKIKLEPKITIGSSSMDSGLSDNSYKNDYPMGLCTIINNKPHKSTG 60
DB 1 MENTENSVDKSKIKLEPKITIGSSSMDSGLSDNSYKNDYPMGLCTIINNKPHKSTG 60
QY 61 MRSRSGTDVDAANLRETFRNLYKYEVRNKNDDLREIIVELMRDVSXEDHSSKSSFFVCVLLS 120
DB 61 MRSRSGTDVDAANLRETFRNLYKYEVRNKNDDLREIIVELMRDVSXEDHSSKSSFFVCVLLS 120
QY 121 HGEEGIIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180

DB 121 HGEEGIIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
QY 181 DMACHKIPVADFLYAVSTAPGYYSWRNSKDGSMFIQSLCAMLKQYADKLEFVHILTRVN 240
DB 181 DMACHKIPVADFLYAVSTAPGYYSWRNSKDGSMFIQSLCAMLKQYADKLEFVHILTRVN 240
QY 241 RKVATEPESFSPDATHAKQIPCIYSMLTKELYFVH 277
DB 241 RKVATEPESFSPDATHAKQIPCIYSMLTKELYFVH 277

RESULT 3

US-08-462-969B-4
Sequence 4, Application US/08462969B
Patent No. 6087150
GENERAL INFORMATION:
APPLICANT: He, Wei-wu et al.
TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme
TITLE OF INVENTION: Like Apoptosis Protease 3 and 4
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Ave.
CITY: Rockville
STATE: MD
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/462,969B
FILING DATE: 05-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/334,251
FILING DATE: 11-NOV-1994
ATTORNEY/AGENT INFORMATION:
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PFI40P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-309-8604
TELEFAX: 301-309-8439
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-462-969B-4

Query Match 100.0%; Score 1463; DB 3; Length 277;
Best Local Similarity 100.0%; Pred. No. 2.2e-161;
Matches 277; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSKIKLEPKITIGSSSMDSGLSDNSYKNDYPMGLCTIINNKPHKSTG 60
DB 1 MENTENSVDKSKIKLEPKITIGSSSMDSGLSDNSYKNDYPMGLCTIINNKPHKSTG 60
QY 61 MRSRSGTDVDAANLRETFRNLYKYEVRNKNDDLREIIVELMRDVSXEDHSSKSSFFVCVLLS 120
DB 61 MRSRSGTDVDAANLRETFRNLYKYEVRNKNDDLREIIVELMRDVSXEDHSSKSSFFVCVLLS 120
QY 121 HGEEGIIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
DB 121 HGEEGIIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
QY 181 DMACHKIPVADFLYAVSTAPGYYSWRNSKDGSMFIQSLCAMLKQYADKLEFVHILTRVN 240

Db 181 DMACHKIPEADFLVAYSTAPGYSWRNSKDGSMFIOGLCMLKQYADKLEFPHILTRVN 240

Qy 241 RKVATEFESFSDATFHAKKOIPCIVSMUTKELYFYH 277

Db 241 RKVATEFESFSDATFHAKKOIPCIVSMUTKELYFYH 277

RESULT 4
US-08-964-313-6
Sequence 6, Application US/08964313

GENERAL INFORMATION:
APPLICANT: DESMARAIS, SYLVIE
APPLICANT: FRIESEN, RICHARD
APPLICANT: GRESSER, MICHAEL
APPLICANT: KENNEDY, BRIAN
APPLICANT: NICHOLSON, DONALD
APPLICANT: RAMACHANDRAN, CHIDAMBARAN
APPLICANT: SKOREY, KATHRYN
APPLICANT: FORD-HUTCHINSON, ANTHONY
TITLE OF INVENTION: PHOSPHATASE BINDING ASSAY
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.
STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
CITY: RAHWAY
STATE: NJ
COUNTRY: USA
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION NUMBER: US/08/964,313
FILING DATE: 04-NOV-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/030,408
FILING DATE: 04-NOV-1996
APPLICATION NUMBER: PCT/CA97/00825
FILING DATE: 03-NOV-1996
ATTORNEY/AGENT INFORMATION:
NAME: DURETTE, PHILIPPE L.
REGISTRATION NUMBER: 35,125
REFERENCE/DOCKET NUMBER: 19824Y
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-4568
TELEFAX: 732-594-4720
TELEX:
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-964-313-6

Query Match 100.0%; Score 1463; DB 3; Length 277;
Best Local Similarity 100.0%; Pred. No. 2.2e-161;
Matches 277; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MENTENSVDKSKIKLEPKIIGHSSMSGSLNSYKMDYPEMGICIIINNKPFHSTG 60

Db 1 MENTENSVDKSKIKLEPKIIGHSSMSGSLNSYKMDYPEMGICIIINNKPFHSTG 60

Qy 61 MTSRSGTDVDAANLRETFRNKLYEVRNNDLTREIIVELMDVSKEDHSKSSFCVLLS 120

Db 61 MTSRSGTDVDAANLRETFRNKLYEVRNNDLTREIIVELMDVSKEDHSKSSFCVLLS 120

Qy 121 HGBEGIIETGNPVDLKKITNFRGDRSLTGKPKLIIIOACRGTELDGCIETDSGYDD 180

Db 121 HGBEGIIETGNPVDLKKITNFRGDRSLTGKPKLIIIOACRGTELDGCIETDSGYDD 180

Qy 181 DMACHKIPEADFLVAYSTAPGYSWRNSKDGSMFIOGLCMLKQYADKLEFPHILTRVN 240

Db 181 DMACHKIPEADFLVAYSTAPGYSWRNSKDGSMFIOGLCMLKQYADKLEFPHILTRVN 240

Qy 241 RKVATEFESFSDATFHAKKOIPCIVSMUTKELYFYH 277

Db 241 RKVATEFESFSDATFHAKKOIPCIVSMUTKELYFYH 277

RESULT 5
US-09-069-138-6
Sequence 6, Application US/09069138

GENERAL INFORMATION:
APPLICANT: DESMARAIS, SYLVIE
APPLICANT: DURESNE, CLAUDE
APPLICANT: FRIESEN, RICHARD
APPLICANT: LEBLANC, YVES
APPLICANT: ROY, PATRICK
APPLICANT: YOUNG, ROBERT N.
TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE
TITLE OF INVENTION: BINDING ASSAY
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.
STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
CITY: RAHWAY
STATE: NJ
COUNTRY: USA
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Diskette
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION NUMBER: US/09/069,138
FILING DATE: 29-APR-1998
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: DURETTE, PHILIPPE L.
REGISTRATION NUMBER: 35,125
REFERENCE/DOCKET NUMBER: 19840YIA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-4568
TELEFAX: 732-594-4720
TELEX:
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-069-138-6

Query Match 100.0%; Score 1463; DB 4; Length 277;
Best Local Similarity 100.0%; Pred. No. 2.2e-161;
Matches 277; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MENTENSVDKSKIKLEPKIIGHSSMSGSLNSYKMDYPEMGICIIINNKPFHSTG 60

Db 1 MENTENSVDKSKIKLEPKIIGHSSMSGSLNSYKMDYPEMGICIIINNKPFHSTG 60

Qy 61 MTSRSGTDVDAANLRETFRNKLYEVRNNDLTREIIVELMDVSKEDHSKSSFCVLLS 120

Db 61 MTSRSGTDVDAANLRETFRNKLYEVRNNDLTREIIVELMDVSKEDHSKSSFCVLLS 120

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QY 121 HGEEGIIFGTNGPVLDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
Db 121 HGEEGIIFGTNGPVLDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
QY 181 DMACHKIPVADFLVASTAPGYYSWNSKDSGSMFIOSLCAMLKQYADKLEFPHILTRVN 240
Db 181 DMACHKIPVADFLVASTAPGYYSWNSKDSGSMFIOSLCAMLKQYADKLEFPHILTRVN 240
QY 241 RKVATEFESFSDATFAHAKQIPCIYSMLTKELYFYH 277
Db 241 RKVATEFESFSDATFAHAKQIPCIYSMLTKELYFYH 277

RESULT 6
US-09-124-934A-4
; Sequence 4, Application US/09124934A
; Patent No. 6495819
; GENERAL INFORMATION:
; APPLICANT: He, Wei-Wu et al.
; TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme Like Apoptosis Protease 3 an
; FILE REFERENCE: P14001
; CURRENT APPLICATION NUMBER: US/09/124,934A
; CURRENT FILING DATE: 1994-11-01
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 277
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-124-934A-4

Query Match 100.0%; Score 1463; DB 4; Length 277;
Best Local Similarity 100.0%; Pred. No. 2.2e-161;
Matches 277; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSIKNLEPKIIHGESMSDGSISLDSNYKMDYPMGGLCIINNKNFKHSTG 60
Db 1 MENTENSVDKSIKNLEPKIIHGESMSDGSISLDSNYKMDYPMGGLCIINNKNFKHSTG 60
QY 61 MTSRSGTDVDANLRETFRNLYEVRKNNDLTREIYELMRDVSKEHDSKSSFCVLLS 120
Db 61 MTSRSGTDVDANLRETFRNLYEVRKNNDLTREIYELMRDVSKEHDSKSSFCVLLS 120
QY 121 HGEEGIIFGTNGPVLDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
Db 121 HGEEGIIFGTNGPVLDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
QY 181 DMACHKIPVADFLVASTAPGYYSWNSKDSGSMFIOSLCAMLKQYADKLEFPHILTRVN 240
Db 181 DMACHKIPVADFLVASTAPGYYSWNSKDSGSMFIOSLCAMLKQYADKLEFPHILTRVN 240
QY 241 RKVATEFESFSDATFAHAKQIPCIYSMLTKELYFYH 277
Db 241 RKVATEFESFSDATFAHAKQIPCIYSMLTKELYFYH 277

RESULT 7
US-08-334-251D-4
; Sequence 4, Application US/08334251D
; Patent No. 6538121
; GENERAL INFORMATION:
; APPLICANT: He et al.
; TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme Like Apoptosis Protease 3 an
; FILE REFERENCE: PFI40
; CURRENT APPLICATION NUMBER: US/08/334,251D
; CURRENT FILING DATE: 1994-11-01
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-334-251D-4
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Query Match 100.0%; Score 1463; DB 4; Length 277;
Best Local Similarity 100.0%; Pred. No. 2.2e-161;
Matches 277; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSIKNLEPKIIHGESMSDGSISLDSNYKMDYPMGGLCIINNKNFKHSTG 60
Db 1 MENTENSVDKSIKNLEPKIIHGESMSDGSISLDSNYKMDYPMGGLCIINNKNFKHSTG 60
QY 61 MTSRSGTDVDANLRETFRNLYEVRKNNDLTREIYELMRDVSKEHDSKSSFCVLLS 120
Db 61 MTSRSGTDVDANLRETFRNLYEVRKNNDLTREIYELMRDVSKEHDSKSSFCVLLS 120
QY 121 HGEEGIIFGTNGPVLDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
Db 121 HGEEGIIFGTNGPVLDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
QY 181 DMACHKIPVADFLVASTAPGYYSWNSKDSGSMFIOSLCAMLKQYADKLEFPHILTRVN 240
Db 181 DMACHKIPVADFLVASTAPGYYSWNSKDSGSMFIOSLCAMLKQYADKLEFPHILTRVN 240
QY 241 RKVATEFESFSDATFAHAKQIPCIYSMLTKELYFYH 277
Db 241 RKVATEFESFSDATFAHAKQIPCIYSMLTKELYFYH 277

RESULT 8
US-09-561-756-12
; Sequence 12, Application US/09561756
; Patent No. 6376226
; GENERAL INFORMATION:
; APPLICANT: Alnemri, Emad S.
; TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USES
; FILE REFERENCE: 480140.431
; CURRENT APPLICATION NUMBER: US/09/561,756
; CURRENT FILING DATE: 2000-04-26
; PRIOR APPLICATION NUMBER: 09/227,721
; PRIOR FILING DATE: 1999-01-08
; NUMBER OF SEQ ID NOS: 116
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 12
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-561-756-12

Query Match 99.8%; Score 1460; DB 4; Length 277;
Best Local Similarity 99.8%; Pred. No. 4.9e-161;
Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSIKNLEPKIIHGESMSDGSISLDSNYKMDYPMGGLCIINNKNFKHSTG 60
Db 1 MENTENSVDKSIKNLEPKIIHGESMSDGSISLDSNYKMDYPMGGLCIINNKNFKHSTG 60
QY 61 MTSRSGTDVDANLRETFRNLYEVRKNNDLTREIYELMRDVSKEHDSKSSFCVLLS 120
Db 61 MTSRSGTDVDANLRETFRNLYEVRKNNDLTREIYELMRDVSKEHDSKSSFCVLLS 120
QY 121 HGEEGIIFGTNGPVLDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
Db 121 HGEEGIIFGTNGPVLDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSGVD 180
QY 181 DMACHKIPVADFLVASTAPGYYSWNSKDSGSMFIOSLCAMLKQYADKLEFPHILTRVN 240
Db 181 DMACHKIPVADFLVASTAPGYYSWNSKDSGSMFIOSLCAMLKQYADKLEFPHILTRVN 240
QY 241 RKVATEFESFSDATFAHAKQIPCIYSMLTKELYFYH 277
Db 241 RKVATEFESFSDATFAHAKQIPCIYSMLTKELYFYH 277

RESULT 9
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US-09-227-721-12
Sequence 12, Application US/09227721
Patent No. 6379950
GENERAL INFORMATION:
APPLICANT: Alnemri, Emad S.
TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USES
TITLE OF INVENTION: THEREOF
FILE REFERENCE: 480140.431
CURRENT APPLICATION NUMBER: US/09/227,721
CURRENT FILING DATE: 1999-01-08
NUMBER OF SEQ ID NOS: 116
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 12
LENGTH: 277
TYPE: PRT
ORGANISM: Homo sapien
US-09-227-721-12

Query Match 99.8%; Score 1460; DB 4; Length 277;
Best Local Similarity 99.6%; Pred. No. 4,9e-161;
Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTNSVDSKSIKNEPKIIGHSESDSGISLDSNYKMDYEMGLCIIINKNFKSTG 60
DB 1 MENTNSVDSKSIKNEPKIIGHSESDSGISLDSNYKMDYEMGLCIIINKNFKSTG 60
QY 61 MTSRSGTDVDAANLRETFENLKYEVNKNKDLTREELVELMDVSKEDHSKRSFVCVLLS 120
DB 61 MTSRSGTDVDAANLRETFENLKYEVNKNKDLTREELVELMDVSKEDHSKRSFVCVLLS 120
QY 121 HGEEGILFGTNGVDLKKITNFRGDRCSLTGKPKLFIQACRGTELDGCIETDSGVD 180
DB 121 HGEEGILFGTNGVDLKKITNFRGDRCSLTGKPKLFIQACRGTELDGCIETDSGVD 180
QY 181 DMACHKIPVADFLVASTAPGYYSWNSKDGSWFIOSLCAMLKQYADKLEFMHILTRVN 240
DB 181 DMACHKIPVADFLVASTAPGYYSWNSKDGSWFIOSLCAMLKQYADKLEFMHILTRVN 240
QY 241 RKVATFEFSFDPATFHAKQIPCIIVSMILKELYFYH 277
DB 241 RKVATFEFSFDPATFHAKQIPCIIVSMILKELYFYH 277

RESULT 10
US-08-983-502-30
Sequence 30, Application US/08983502
Patent No. 6399327
GENERAL INFORMATION:
APPLICANT: David WALLACH
APPLICANT: Mark P. BOLDIN
APPLICANT: Tanya M. GONCHAROV
APPLICANT: Yuri V. GOLITSEV
TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
TITLE OF INVENTION: AND OTHER PROTEINS
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Browdy and Neimark
STREET: 419 Seventh Street N.W., Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/983,502
FILING DATE: 16-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/10521
FILING DATE: 14-JUN-1996

PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH=19
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-3528
INFORMATION FOR SEQ. ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-983-502-30

Query Match 99.8%; Score 1460; DB 4; Length 277;
Best Local Similarity 99.6%; Pred. No. 4,9e-161;
Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTNSVDSKSIKNEPKIIGHSESDSGISLDSNYKMDYEMGLCIIINKNFKSTG 60
DB 1 MENTNSVDSKSIKNEPKIIGHSESDSGISLDSNYKMDYEMGLCIIINKNFKSTG 60
QY 61 MTSRSGTDVDAANLRETFENLKYEVNKNKDLTREELVELMDVSKEDHSKRSFVCVLLS 120
DB 61 MTSRSGTDVDAANLRETFENLKYEVNKNKDLTREELVELMDVSKEDHSKRSFVCVLLS 120
QY 121 HGEEGILFGTNGVDLKKITNFRGDRCSLTGKPKLFIQACRGTELDGCIETDSGVD 180
DB 121 HGEEGILFGTNGVDLKKITNFRGDRCSLTGKPKLFIQACRGTELDGCIETDSGVD 180
QY 181 DMACHKIPVADFLVASTAPGYYSWNSKDGSWFIOSLCAMLKQYADKLEFMHILTRVN 240
DB 181 DMACHKIPVADFLVASTAPGYYSWNSKDGSWFIOSLCAMLKQYADKLEFMHILTRVN 240
QY 241 RKVATFEFSFDPATFHAKQIPCIIVSMILKELYFYH 277
DB 241 RKVATFEFSFDPATFHAKQIPCIIVSMILKELYFYH 277

RESULT 11
US-08-724-378D-5
Sequence 5, Application US/08724378D
Patent No. 6512104
GENERAL INFORMATION:
APPLICANT: JUAN, SHAO-CHIEH
APPLICANT: FLETCHER, FREDERICK A.
APPLICANT: PATTERSON, SCOTT D.
TITLE OF INVENTION: INTERLEUKIN 1-BETA CONVERTING ENZYME LIKE CYSTEINE
TITLE OF INVENTION: PROTEASE
FILE REFERENCE: 06843-0019-000000
CURRENT APPLICATION NUMBER: US/08/724,378D
CURRENT FILING DATE: 1996-10-01
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 5
LENGTH: 277

Tue Dec 30 06:50:35 2003

us-09-895-263b-4.closed.ra1

Page 6

TYPE: PRT
ORGANISM: Homo sapiens
US-08-724-378D-5

Query Match 99.8%; Score 1460; DB 4; Length 277;
Best Local Similarity 99.6%; Pred. No. 4.9e-161;
Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSKIKNLEPKTIHGESMSDGSISLDSNYKMDYPMGLCIINNNKPKKSTG 60
DB 1 MENTENSVDKSKIKNLEPKTIHGESMSDGSISLDSNYKMDYPMGLCIINNNKPKKSTG 60
QY 61 MTSRSGTDVDAANLRETFRLNLTKEVRNKNLDTREIYELMRDYSKEDHSKRSSFVCVLLS 120
DB 61 MTSRSGTDVDAANLRETFRLNLTKEVRNKNLDTREIYELMRDYSKEDHSKRSSFVCVLLS 120
QY 121 HGEGBIIFGTNGPVDLKKITNFFRGDRCSLTGPKPLFIIOACRGTELDGCIETDSGVD 180
DB 121 HGEGBIIFGTNGPVDLKKITNFFRGDRCSLTGPKPLFIIOACRGTELDGCIETDSGVD 180
QY 181 DMACHKIPVADFLIYASTAPGYYSWNSKDGSWFIQSLCMLKQYADKLEFPHILIRVN 240
DB 181 DMACHKIPVADFLIYASTAPGYYSWNSKDGSWFIQSLCMLKQYADKLEFPHILIRVN 240
QY 241 RKVATEFESFSDATFPAKKQIPCIIVSMLTKEIFYH 277
DB 241 RKVATEFESFSDATFPAKKQIPCIIVSMLTKEIFYH 277

RESULT 12
US-09-516-747-30
Sequence 30, Application US/09516747
Patent No. 6586571
GENERAL INFORMATION:
APPLICANT: David WALLACH
Mark P. BOLDIN
Tanya M. GONCHAROV
Yury V. GOLTSSEV

TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
AND OTHER PROTEINS

NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Browdy and Neimark
STREET: 419 Seventh Street N.W., Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/516,747
FILING DATE: 01-Mar-2000

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/963,502
FILING DATE: <Unknown>
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH-19

TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-3528
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 30:
US-09-516-747-30

Query Match 99.8%; Score 1460; DB 4; Length 277;
Best Local Similarity 99.6%; Pred. No. 4.9e-161;
Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSKIKNLEPKTIHGESMSDGSISLDSNYKMDYPMGLCIINNNKPKKSTG 60
DB 1 MENTENSVDKSKIKNLEPKTIHGESMSDGSISLDSNYKMDYPMGLCIINNNKPKKSTG 60
QY 61 MTSRSGTDVDAANLRETFRLNLTKEVRNKNLDTREIYELMRDYSKEDHSKRSSFVCVLLS 120
DB 61 MTSRSGTDVDAANLRETFRLNLTKEVRNKNLDTREIYELMRDYSKEDHSKRSSFVCVLLS 120
QY 121 HGEGBIIFGTNGPVDLKKITNFFRGDRCSLTGPKPLFIIOACRGTELDGCIETDSGVD 180
DB 121 HGEGBIIFGTNGPVDLKKITNFFRGDRCSLTGPKPLFIIOACRGTELDGCIETDSGVD 180
QY 181 DMACHKIPVADFLIYASTAPGYYSWNSKDGSWFIQSLCMLKQYADKLEFPHILIRVN 240
DB 181 DMACHKIPVADFLIYASTAPGYYSWNSKDGSWFIQSLCMLKQYADKLEFPHILIRVN 240
QY 241 RKVATEFESFSDATFPAKKQIPCIIVSMLTKEIFYH 277
DB 241 RKVATEFESFSDATFPAKKQIPCIIVSMLTKEIFYH 277

RESULT 13
PCT-US96-10521-30
Sequence 30, Application PCT/US9610521
GENERAL INFORMATION:

APPLICANT: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
AND OTHER PROTEINS
TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
AND OTHER PROTEINS
NUMBER OF SEQUENCES: 34
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/10521
FILING DATE:

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids

TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-10521-30

Query Match 99.8%; Score 1460; DB 5; Length 277;
Best Local Similarity 99.6%; Pred. No. 4,9e-161;
Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSKIKNLEPKIIHGESMSDGSISLDSNYKNDYPMGICIIINNNKPKHSTG 60
DB 1 MENTENSVDKSKIKNLEPKIIHGESMSDGSISLDSNYKNDYPMGICIIINNNKPKHSTG 60
QY 61 MTSRSGTDVDAANLRETFRLKTEVRKNDLTREELVELMRDYSKEDHSKRSSFVCVLLS 120
DB 61 MTSRSGTDVDAANLRETFRLKTEVRKNDLTREELVELMRDYSKEDHSKRSSFVCVLLS 120
QY 121 HGEEGIIFGTNGPYDLKKTINFRGDCRSITGPKLFIIOACRGTELDGIEITDSGVD 180
DB 121 HGEEGIIFGTNGPYDLKKTINFRGDCRSITGPKLFIIOACRGTELDGIEITDSGVD 180
QY 181 DMACHKIPVADFLYASTAPGYYSWNSKDGSMFIOSLCAMLKQYADKLEFPHILTRVN 240
DB 181 DMACHKIPVADFLYASTAPGYYSWNSKDGSMFIOSLCAMLKQYADKLEFPHILTRVN 240
QY 241 RKVATEFESFSDATFPAKKQIPCIIVSMLTRKELYFYH 277
DB 241 RKVATEFESFSDATFPAKKQIPCIIVSMLTRKELYFYH 277

RESULT 14

US-08-964-308-10
Sequence 10, Application US/08964308
Patent No. 6066715

GENERAL INFORMATION:

APPLICANT: DESMARAIS, SYLVIE
APPLICANT: BRIESEN, RICHARD
APPLICANT: ZAMBONI, ROBERT
TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROBERT J. NORTH - MERCK & CO., INC.
STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
CITY: RAHWAY
STATE: NJ
COUNTRY: USA
ZIP: 07065

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy Diskette
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/964,308
FILING DATE: 04-NOV-1996
CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:

NAME: NORTH, ROBERT J.
REGISTRATION NUMBER: 27,366
REFERENCE/DOCKET NUMBER: 19840 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-7262
TELEFAX: 732-594-4720
TELEX:

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide

US-08-964-308-10

Query Match 99.3%; Score 1453; DB 3; Length 277;
Best Local Similarity 99.6%; Pred. No. 3,2e-160;
Matches 276; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MENTENSVDKSKIKNLEPKIIHGESMSDGSISLDSNYKNDYPMGICIIINNNKPKHSTG 60
DB 1 MENTENSVDKSKIKNLEPKIIHGESMSDGSISLDSNYKNDYPMGICIIINNNKPKHSTG 60
QY 61 MTSRSGTDVDAANLRETFRLKTEVRKNDLTREELVELMRDYSKEDHSKRSSFVCVLLS 120
DB 61 MTSRSGTDVDAANLRETFRLKTEVRKNDLTREELVELMRDYSKEDHSKRSSFVCVLLS 120
QY 121 HGEEGIIFGTNGPYDLKKTINFRGDCRSITGPKLFIIOACRGTELDGIEITDSGVD 180
DB 121 HGEEGIIFGTNGPYDLKKTINFRGDCRSITGPKLFIIOACRGTELDGIEITDSGVD 180
QY 181 DMACHKIPVADFLYASTAPGYYSWNSKDGSMFIOSLCAMLKQYADKLEFPHILTRVN 240
DB 181 DMACHKIPVADFLYASTAPGYYSWNSKDGSMFIOSLCAMLKQYADKLEFPHILTRVN 240
QY 241 RKVATEFESFSDATFPAKKQIPCIIVSMLTRKELYFYH 277
DB 241 RKVATEFESFSDATFPAKKQIPCIIVSMLTRKELYFYH 277

RESULT 15

US-08-964-313-10
Sequence 10, Application US/08964313
Patent No. 6114132

GENERAL INFORMATION:

APPLICANT: DESMARAIS, SYLVIE
APPLICANT: BRIESEN, RICHARD
APPLICANT: GRESSER, MICHAEL
APPLICANT: KENNEDY, BRIAN
APPLICANT: NICHOLSON, DONALD
APPLICANT: RAMACHANDRAN, CHIDAMBARAN
APPLICANT: SKOREY, KATHRYN
TITLE OF INVENTION: PHOSPHATASE BINDING ASSAY
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.
STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
CITY: RAHWAY
STATE: NJ
COUNTRY: USA
ZIP: 07065

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/964,313
FILING DATE: 04-NOV-1997
CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/030,408
FILING DATE: 04-NOV-1996
APPLICATION NUMBER: PCT/CA97/00825
FILING DATE: 03-NOV-1996
ATTORNEY/AGENT INFORMATION:

NAME: DURETTE, PHILIPPE L.
REGISTRATION NUMBER: 35,125
REFERENCE/DOCKET NUMBER: 19824Y
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-4568
TELEFAX: 732-594-4720
TELEX:

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-964-313-10

Query Match 99.3%; Score 1453; DB 3; Length 277;
Best Local Similarity 99.6%; Pred No. 3.2e-160;
Matches 276; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY	1	MENTENSVDSKSIKNLEPKIIGSESMDSGISLDSNYKMDYPEMGCIINNNKPFKSTG	60
DB	1	MENTENSVDSKSIKNLEPKIIGSESMDSGISLDSNYKMDYPEMGCIINNNKPFKSTG	60
QY	61	MTSRSGTDVDAANIREFRRLKYVRNKNDLTREIYELMRDYSKEDHSKRSSTFCVLLS	120
DB	61	MTSRSGTDVDAANIREFRRLKYVRNKNDLTREIYELMRDYSKEDHSKRSSTFCVLLS	120
QY	121	HGEBCIIFGTNGPVDLKKITNFERGDRCRSLTGKPKLFIIOACRGTELDGCIETDGVDD	180
DB	121	HGEBCIIFGTNGPVDLKKITNFERGDRCRSLTGKPKLFIIOACRGTELDGCIETDGVDD	180
QY	181	DMACHKIPVEADFLYASTAPGYSMNSKDGSMFIQSLCMLKQYADKLEFPHILTRVN	240
DB	181	DMACHKIPVEADFLYASTAPGYSMNSKDGSMFIQSLCMLKQYADKLEFPHILTRVN	240
QY	241	RKVATEFESEFSFDFATFHAQKQIPCIIVSNLTRELYFYH	277
DB	241	RKVATEFESEFSFDFATFHAQKQIPCIIVSNLTRELYFYH	277

Search completed: December 29, 2003, 16:37:12
Job time : 22 secs

QY 259 MQLTRVNDVRAHFEFSQSDDBHFEKQIPCVSMLTKELYF 301
 Db 233 MHLTRVNRKVATEFEFSFPDATFPAKKQIPCIIVSMLTKELYF 275

RESULT 14

US-08-334-251D-4
 / Sequence 4, Application US/08334251D
 / Patent No. 6538121
 / GENERAL INFORMATION:
 / APPLICANT: He et al.
 / TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme Like Apoptosis Protease 3 at
 / FILE REFERENCE: PFI40
 / CURRENT APPLICATION NUMBER: US/08/334,251D
 / CURRENT FILING DATE: 1994-11-01
 / NUMBER OF SEQ ID NOS: 12
 / SOFTWARE: PatentIn version 3.0
 / SEQ ID NO 4
 / LENGTH: 277
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 US-08-334-251D-4

Query Match

Best Local Similarity 50.9%; Score 719; DB 4; Length 277;
 Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;

QY 19 EDSVDAPKPDSSSFVPSLFSKSKKKNTMRSIKTTDRVPTVOYNNNFEKLGKCIINNKNF 78
 Db 5 ENSVDSKSIK-NLEPKIHGSESMDSGLDNS-----YKMDYPEMGLCIIINNKNF 55
 QY 79 DKVTGKGVNGTIDKDAEALFKCFRSLGFPVIYVINDSCAKMODLLKASSEEDHTNACFA 138
 Db 56 HKSTGWTSRSGTDVDAANLRETFRNKLYEVRNKNDLTREIIVELMWEDVSKEDHSKRSFV 115
 QY 139 CILLSHGENVYIGKGVPIKDLTAHFRGDRCKTLEKPKLFFIOACRGTELDADAQAD 198
 Db 116 CVLLSHGEEGIIIFGTNGPVDLKKITNFFRGDRCSLTGKPKLFIQACRGTELDGCIETD 175
 QY 199 SGPINDTDANPRKYPVEADFLPAYSTVPGYYSWRSPGRGSWFVQALCSILEHKGKDEI 258
 Db 176 SGVDDMAC---HKIPEVDAPFLYAYSTAGYYSWRNSKDSWFIQSLCAMLKQYADKLEF 232
 QY 259 MQLTRVNDVRAHFEFSQSDDBHFEKQIPCVSMLTKELYF 301
 Db 233 MHLTRVNRKVATEFEFSFPDATFPAKKQIPCIIVSMLTKELYF 275

RESULT 15

US-09-561-756-12
 / Sequence 12, Application US/09561756
 / Patent No. 6376226
 / GENERAL INFORMATION:
 / APPLICANT: Alnemri, Emdad S.
 / TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USES
 / TITLE OF INVENTION: THEREOF
 / FILE REFERENCE: 480140.431
 / CURRENT APPLICATION NUMBER: US/09/561,756
 / CURRENT FILING DATE: 2000-04-26
 / PRIOR APPLICATION NUMBER: 09/227,721
 / PRIOR FILING DATE: 1999-01-08
 / NUMBER OF SEQ ID NOS: 116
 / SOFTWARE: FastSeq for Windows Version 3.0
 / SEQ ID NO 12
 / LENGTH: 277
 / TYPE: PRT
 / ORGANISM: Homo sapien
 US-09-561-756-12

Query Match 44.4%; Score 716; DB 4; Length 277;
 Best Local Similarity 50.5%; Pred. No. 4e-73;
 Matches 143; Conservative 50; Mismatches 78; Indels 12; Gaps 3;

QY 19 EDSVDAPKPDSSSFVPSLFSKSKKKNTMRSIKTTDRVPTVOYNNNFEKLGKCIINNKNF 78
 Db 5 ENSVDSKSIK-NLEPKIHGSESMDSGLDNS-----YKMDYPEMGLCIIINNKNF 55
 QY 79 DKVTGKGVNGTIDKDAEALFKCFRSLGFPVIYVINDSCAKMODLLKASSEEDHTNACFA 138
 Db 56 HKSTGWTSRSGTDVDAANLRETFRNKLYEVRNKNDLTREIIVELMWEDVSKEDHSKRSFV 115
 QY 139 CILLSHGENVYIGKGVPIKDLTAHFRGDRCKTLEKPKLFFIOACRGTELDADAQAD 198
 Db 116 CVLLSHGEEGIIIFGTNGPVDLKKITNFFRGDRCSLTGKPKLFIQACRGTELDGCIETD 175
 QY 199 SGPINDTDANPRKYPVEADFLPAYSTVPGYYSWRSPGRGSWFVQALCSILEHKGKDEI 258
 Db 176 SGVDDMAC---HKIPEVDAPFLYAYSTAGYYSWRNSKDSWFIQSLCAMLKQYADKLEF 232
 QY 259 MQLTRVNDVRAHFEFSQSDDBHFEKQIPCVSMLTKELYF 301
 Db 233 MHLTRVNRKVATEFEFSFPDATFPAKKQIPCIIVSMLTKELYF 275

Search completed: December 30, 2003, 06:28:08
 Job time: 22 secs

١٥٦

TELEX:
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 277 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-964-308-6

Query Match 44.5%; Score 719; DB 3; Length 277;
 Best Local Similarity 50.9%; Pred. No. 1,8e-73;
 Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;

QY 19 EDSDAKPDRSSVPELFSEKKKNNVMSIKTRDRVPTVQNNNEKLGKCIINNKNF 78
 DB 5 ENSVDSKSIK-NLEPKIHGSEMSDGLDLS-----YKMDPEWGLCIINNKNF 55
 QY 79 DRYTGMVNGTIDKDAEALFKCFRSLGPDVIYVNDSCAKMODLLKKA SEDHTNAACFA 138
 DB 56 HKSTGMTSRSGTDVDANLRETFRNLYEVRNNDLTREIVEIMRDVSKEDHSKRSSFV 115
 QY 139 CILSHGEENVITYGKGVTPIKDLTHFEGDRCITLLEKXLFITQACRGTELDADAIOAD 198
 DB 116 CVLLSHGEEGILFTGNGPVDLKKITNFFEGDRCSLTGPKLFIIOACRGTELDGCIETD 175
 QY 199 SCPIINDANPRXKIVEADFLFVSTVPGYVSWRSPGRGSFVQALCSILEHGKDEI 258
 DB 176 SGVDDMAC--HKIVEADFLVYSTAGYVSWRNSKDGSWFIQSLCAMLKQYADKLEF 232
 QY 259 MQLITRVNDVARNHESQSDDPHFHEKKQIPCVVSWLTLEYF 301
 DB 233 MLITRVNRKVAATEFESFSFDATFHAKKQIPCTIVSWLTLEYF 275

RESULT 10
 US-08-462-969B-4
 Sequence 4, Application US/08462969B
 Patent No. 6087150
 GENERAL INFORMATION:
 APPLICANT: He, Wei-Wu et al.
 TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme
 TITLE OF INVENTION: Like Apoptosis Protease 3 and 4
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Human Genome Sciences, Inc.
 STREET: 9410 Key West Ave.
 CITY: Rockville
 STATE: MD
 COUNTRY: USA
 ZIP: 20850
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/462,969B
 FILING DATE: 05-JUN-1995
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/334,251
 FILING DATE: 11-NOV-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Brookes, A. Anders
 REGISTRATION NUMBER: 36,373
 TELEPHONE: 301-309-8504
 TELEFAX: 301-309-8439
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 277 amino acids

TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-462-969B-4

Query Match 44.5%; Score 719; DB 3; Length 277;
 Best Local Similarity 50.9%; Pred. No. 1,8e-73;
 Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;

QY 19 EDSDAKPDRSSVPELFSEKKKNNVMSIKTRDRVPTVQNNNEKLGKCIINNKNF 78
 DB 5 ENSVDSKSIK-NLEPKIHGSEMSDGLDLS-----YKMDPEWGLCIINNKNF 55
 QY 79 DRYTGMVNGTIDKDAEALFKCFRSLGPDVIYVNDSCAKMODLLKKA SEDHTNAACFA 138
 DB 56 HKSTGMTSRSGTDVDANLRETFRNLYEVRNNDLTREIVEIMRDVSKEDHSKRSSFV 115
 QY 139 CILSHGEENVITYGKGVTPIKDLTHFEGDRCITLLEKXLFITQACRGTELDADAIOAD 198
 DB 116 CVLLSHGEEGILFTGNGPVDLKKITNFFEGDRCSLTGPKLFIIOACRGTELDGCIETD 175
 QY 199 SCPIINDANPRXKIVEADFLFVSTVPGYVSWRSPGRGSFVQALCSILEHGKDEI 258
 DB 176 SGVDDMAC--HKIVEADFLVYSTAGYVSWRNSKDGSWFIQSLCAMLKQYADKLEF 232
 QY 259 MQLITRVNDVARNHESQSDDPHFHEKKQIPCVVSWLTLEYF 301
 DB 233 MLITRVNRKVAATEFESFSFDATFHAKKQIPCTIVSWLTLEYF 275

RESULT 11
 US-08-964-313-6
 Sequence 6, Application US/08964313
 Patent No. 6114132
 GENERAL INFORMATION:
 APPLICANT: DESMARAIS, SYLVIE
 APPLICANT: FRIESEN, RICHARD
 APPLICANT: GRESSER, MICHAEL
 APPLICANT: KENNEDY, BRIAN
 APPLICANT: NICHOLSON, DONALD
 APPLICANT: RAMACHANDRAN, CHIDAMBARAM
 APPLICANT: SKOREY, KATHRYN
 APPLICANT: FORD-HUTCHINSON, ANTHONY
 TITLE OF INVENTION: PHOSPHATASE BINDING ASSAY
 NUMBER OF SEQUENCES: 15
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.
 STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
 CITY: RARITON
 STATE: NJ
 COUNTRY: USA
 ZIP: 07065
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSeq for windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/964,313
 FILING DATE: 04-NOV-1997
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/030,408
 FILING DATE: 04-NOV-1996
 APPLICATION NUMBER: PCT/CA97/00825
 FILING DATE: 03-NOV-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: DURETTE, PHILIPPE L.
 REGISTRATION NUMBER: 35,125
 TELEPHONE: 732-594-4568
 TELEFAX: 732-594-4568

US-08-334-251D-2
 / Sequence 2, Application US/08334251D
 / Patent No. 6538121
 / GENERAL INFORMATION:
 / APPLICANT: He et al.
 / TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme Like Apoptosis Protease 3 an
 / FILE REFERENCE: PE140
 / CURRENT APPLICATION NUMBER: US/08/334,251D
 / CURRENT FILING DATE: 1994-11-01
 / NUMBER OF SEQ ID NOS: 12
 / SOFTWARE: PatentIn version 3.0
 / SEQ ID NO 2
 / LENGTH: 303
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 / US-08-334-251D-2

Query Match 99.8%; Score 1610; DB 4; Length 303;
 Best Local Similarity 99.7%; Pred. No. 6,6e-175;
 Matches 302; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MADDOGIEHQVEDSANEDSVDAKPPRSFVSLFSSKKKAVTMSIKITRDVPTQY 60
 DB 1 MADDOGIEHQVEDSANEDSVDAKPPRSFVSLFSSKKKAVTMSIKITRDVPTQY 60
 QY 61 NNMFELKGCIIINNKNFVKVTGMVNGTDCDAEALFKCFRSLGFDVIVYNDSCAKQ 120
 DB 61 NNMFELKGCIIINNKNFVKVTGMVNGTDCDAEALFKCFRSLGFDVIVYNDSCAKQ 120
 QY 121 DLKKAEEEDHTNACACITLLSHGEEVNYGKQGVTPIDTLAHRGDRCKTLLEKPL 180
 DB 121 DLKKAEEEDHTNACACITLLSHGEEVNYGKQGVTPIDTLAHRGDRCKTLLEKPL 180
 QY 181 FFIQACRGTELDIAIQADSGPINDTDANPRYKIPVEADFLFAYSTVPGYYSWSPGSGM 240
 DB 181 FFIQACRGTELDIAIQADSGPINDTDANPRYKIPVEADFLFAYSTVPGYYSWSPGSGM 240
 QY 241 FVQALCSILSEHGADLEIMQILTRVNDVVAHFESQSDDPHFHEKQIPCVSMUTKELY 300
 DB 241 FVQALCSILSEHGADLEIMQILTRVNDVVAHFESQSDDPHFHEKQIPCVSMUTKELY 300
 QY 301 FSQ 303
 DB 301 FSQ 303

RESULT 8
 US-08-591-605-2
 / Sequence 2, Application US/08591605
 / Patent No. 6060238
 / GENERAL INFORMATION:
 / APPLICANT: Dixit, Vishva M.
 / TITLE OF INVENTION: METHOD AND COMPOSITION FOR REGULATING
 / TITLE OF INVENTION: APOPTOSIS
 / NUMBER OF SEQUENCES: 14
 / CORRESPONDENCE ADDRESS:
 / ADDRESS: MORRISON & FOERSTER
 / STREET: 755 PAGE MILL ROAD
 / CITY: PALO ALTO
 / STATE: CA
 / COUNTRY: USA
 / ZIP: 94304-1018
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Floppy disk
 / OPERATING SYSTEM: IBM PC compatible
 / SOFTWARE: PatentIn Release #1.0, Version #1.30
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/08/591,605
 / FILING DATE: 03-FEB-1996
 / CLASSIFICATION: 514
 / ATTORNEY/AGENT INFORMATION:
 / NAME: KONSKI, ANTOINETTE F.

REGISTRATION NUMBER: 34,202
 REFERENCE/DOCKET NUMBER: 20344-21036.21
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 813-5600
 TELEFAX: (415) 494-0792
 TELEEX: 706141 MRSNOERS SFO
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 277 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 / US-08-591-605-2

Query Match 44.5%; Score 719; DB 3; Length 277;
 Best Local Similarity 50.9%; Pred. No. 1.8e-73;
 Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;

QY 19 EDSVDKPPRSFVSLFSSKKKAVTMSIKITRDVPTQYNNMFELKGCIIINNKNF 78
 DB 5 EDSVDKPPRSFVSLFSSKKKAVTMSIKITRDVPTQYNNMFELKGCIIINNKNF 78
 QY 79 DKTGMVNGTDCDAEALFKCFRSLGFDVIVYNDSCAKQDLKKAEEEDHTNAC 138
 DB 56 HKGTGMSRSGTVDANLRETFRNKYEVRNNDLTREIVELMDVSKEDSKSSSV 115
 QY 139 CILSHGEEVNYGKQGVTPIDTLAHRGDRCKTLLEKPLFFIQACRGTELDIAIQAD 198
 DB 116 CVLSHGEEBGIIFGTNPVULKLTNFFRDRRSRLTGKRLFIQACRGTELDQIEID 175
 QY 199 SGPIINDTDANPRYKIPVEADFLFAYSTVPGYYSWSPGSGMVFQALCSILSEHGADLE 258
 DB 176 SGVDDMAC--HKIPVEADFLFAYSTVPGYYSWSPGSGMVFQALCSILSEHGADLE 232
 QY 259 MQLTRVNDVVAHFESQSDDPHFHEKQIPCVSMUTKELY 301
 DB 233 MQLTRVNDVVAHFESQSDDPHFHEKQIPCVSMUTKELY 275

RESULT 9
 US-08-964-308-6
 / Sequence 6, Application US/08964308
 / Patent No. 6066715
 / GENERAL INFORMATION:
 / APPLICANT: DESMARAIS, SYLVIE
 / APPLICANT: FRIESEN, RICHARD
 / APPLICANT: ZAMBONI, ROBERT
 / TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE
 / TITLE OF INVENTION: BINDING ASSAY
 / NUMBER OF SEQUENCES: 15
 / CORRESPONDENCE ADDRESS:
 / ADDRESS: ROBERT J. NORTH - MERCK & CO., INC.
 / STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
 / CITY: RAHWAY
 / STATE: NJ
 / COUNTRY: USA
 / ZIP: 07065
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Floppy Diskette
 / OPERATING SYSTEM: IBM PC compatible
 / SOFTWARE: FASTSEQ for Windows Version 2.0
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/08/964,308
 / FILING DATE: 04-NOV-1996
 / CLASSIFICATION: 530
 / ATTORNEY/AGENT INFORMATION:
 / NAME: NORTH, ROBERT J
 / REGISTRATION NUMBER: 27,366
 / REFERENCE/DOCKET NUMBER: 19840 PCT
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: 732-594-7262
 / TELEFAX: 732-594-4720

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/556,627A
FILING DATE: 13-NOV-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-ID 1813
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 303 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-556-627A-2

Query Match 99.8%; Score 1610; DB 4; Length 303;
Best Local Similarity 99.7%; Pred. No. 6.6e-175;
Matches 302; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MADDGGCIEBQGVDSANEDSVDAKPDSSFPVSLFSKKKNVTMRISIKTRDRVPTQY 60
DB 1 MADDGGCIEBQGVDSANEDSVDAKPDSSFPVSLFSKKKNVTMRISIKTRDRVPTQY 60
QY 61 NNPFELGKCIILNNKPNFKVTGMVNGTDAEALFKCFRSLGFDVIVNDSCCAKQ 120
DB 61 NNPFELGKCIILNNKPNFKVTGMVNGTDAEALFKCFRSLGFDVIVNDSCCAKQ 120
QY 121 DLKKAASEDHNTAAACFACILLSHGEENVYIGKDGVTPIKDLTAHFRDRCRTLLERKL 180
DB 121 DLKKAASEDHNTAAACFACILLSHGEENVYIGKDGVTPIKDLTAHFRDRCRTLLERKL 180
QY 181 FFIQACRGTELDIAIQADSGPINDTDANPRYKIPVADFLFAYSTVPGYVSRSPGRGSM 240
DB 181 FFIQACRGTELDIAIQADSGPINDTDANPRYKIPVADFLFAYSTVPGYVSRSPGRGSM 240
QY 241 FVQALCSILEHKGKLEIMQILTRVNDVRAHFEESQSDPHFHEKKQIPCVVSMLTKEY 300
DB 241 FVQALCSILEHKGKLEIMQILTRVNDVRAHFEESQSDPHFHEKKQIPCVVSMLTKEY 300
QY 301 FSQ 303
DB 301 FSQ 303

RESULT 5
US-09-124-934A-2
Sequence 2, Application US/09124934A
Patent No. 6485519
GENERAL INFORMATION:
APPLICANT: He, Wei-Wu et al.,
TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme Like Apoptosis Protease 3 and
FILE REFERENCE: PFI140C1
CURRENT APPLICATION NUMBER: US/09/124,934A
CURRENT FILING DATE: 1994-11-01
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2
LENGTH: 303
TYPE: PRT
ORGANISM: homo sapiens
US-09-124-934A-2

Query Match 99.8%; Score 1610; DB 4; Length 303;
Best Local Similarity 99.7%; Pred. No. 6.6e-175;
Matches 302; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MADDGGCIEBQGVDSANEDSVDAKPDSSFPVSLFSKKKNVTMRISIKTRDRVPTQY 60
DB 1 MADDGGCIEBQGVDSANEDSVDAKPDSSFPVSLFSKKKNVTMRISIKTRDRVPTQY 60

QY 61 NNPFELGKCIILNNKPNFKVTGMVNGTDAEALFKCFRSLGFDVIVNDSCCAKQ 120
DB 61 NNPFELGKCIILNNKPNFKVTGMVNGTDAEALFKCFRSLGFDVIVNDSCCAKQ 120
QY 121 DLKKAASEDHNTAAACFACILLSHGEENVYIGKDGVTPIKDLTAHFRDRCRTLLERKL 180
DB 121 DLKKAASEDHNTAAACFACILLSHGEENVYIGKDGVTPIKDLTAHFRDRCRTLLERKL 180
QY 181 FFIQACRGTELDIAIQADSGPINDTDANPRYKIPVADFLFAYSTVPGYVSRSPGRGSM 240
DB 181 FFIQACRGTELDIAIQADSGPINDTDANPRYKIPVADFLFAYSTVPGYVSRSPGRGSM 240
QY 241 FVQALCSILEHKGKLEIMQILTRVNDVRAHFEESQSDPHFHEKKQIPCVVSMLTKEY 300
DB 241 FVQALCSILEHKGKLEIMQILTRVNDVRAHFEESQSDPHFHEKKQIPCVVSMLTKEY 300
QY 301 FSQ 303
DB 301 FSQ 303

RESULT 6
US-08-724-378D-4
Sequence 4, Application US/08724378D
Patent No. 6512104
GENERAL INFORMATION:
APPLICANT: JUAN, SHAO-CHIEH
APPLICANT: FLETCHER, FREDERICK A.
APPLICANT: PATTERSON, SCOTT D.
TITLE OF INVENTION: INTERLEUKIN 1-BETA CONVERTING ENZYME LIKE CYSTEINE
FILE REFERENCE: 06943-0019-00000
CURRENT APPLICATION NUMBER: US/08/724,378D
CURRENT FILING DATE: 1996-10-01
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 303
TYPE: PRT
ORGANISM: Homo sapiens
US-08-724-378D-4

Query Match 99.8%; Score 1610; DB 4; Length 303;
Best Local Similarity 99.7%; Pred. No. 6.6e-175;
Matches 302; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MADDGGCIEBQGVDSANEDSVDAKPDSSFPVSLFSKKKNVTMRISIKTRDRVPTQY 60
DB 1 MADDGGCIEBQGVDSANEDSVDAKPDSSFPVSLFSKKKNVTMRISIKTRDRVPTQY 60
QY 61 NNPFELGKCIILNNKPNFKVTGMVNGTDAEALFKCFRSLGFDVIVNDSCCAKQ 120
DB 61 NNPFELGKCIILNNKPNFKVTGMVNGTDAEALFKCFRSLGFDVIVNDSCCAKQ 120
QY 121 DLKKAASEDHNTAAACFACILLSHGEENVYIGKDGVTPIKDLTAHFRDRCRTLLERKL 180
DB 121 DLKKAASEDHNTAAACFACILLSHGEENVYIGKDGVTPIKDLTAHFRDRCRTLLERKL 180
QY 181 FFIQACRGTELDIAIQADSGPINDTDANPRYKIPVADFLFAYSTVPGYVSRSPGRGSM 240
DB 181 FFIQACRGTELDIAIQADSGPINDTDANPRYKIPVADFLFAYSTVPGYVSRSPGRGSM 240
QY 241 FVQALCSILEHKGKLEIMQILTRVNDVRAHFEESQSDPHFHEKKQIPCVVSMLTKEY 300
DB 241 FVQALCSILEHKGKLEIMQILTRVNDVRAHFEESQSDPHFHEKKQIPCVVSMLTKEY 300
QY 301 FSQ 303
DB 301 FSQ 303

RESULT 7

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Page 2

Db 1 MADDGCIIEGVEDSANDSDVDKPRSSFVPSLFSKKNVTMS:IKTRDRVPTYOY 60
QY 61 NNNEFKLGGKCIINNKNFDPKVTGKGVNRTDKDAALFKCFRSLGFDVIVYNDSCCAKQ 120
Db 61 NNNEFKLGGKCIINNKNFDPKVTGKGVNRTDKDAALFKCFRSLGFDVIVYNDSCCAKQ 120
QY 121 DLKKASEEDHTNACFACILSHGSEENVYIGKDGVTPIKDLTAHFRGDRCKTLEKPKL 180
Db 121 DLKKASEEDHTNACFACILSHGSEENVYIGKDGVTPIKDLTAHFRGDRCKTLEKPKL 180
QY 181 FFIQACRGTELDALQADSGPINDTDANPRYKIPVADFLFASTVPGYYSWRSPGRGSM 240
Db 181 FFIQACRGTELDALQADSGPINDTDANPRYKIPVADFLFASTVPGYYSWRSPGRGSM 240
QY 241 FVQALCSILIEHKGDLIMQILTRVNDRAVAREHESQSDDPHFHEKKQIPCVVSMLTKEYL 300
Db 241 FVQALCSILIEHKGDLIMQILTRVNDRAVAREHESQSDDPHFHEKKQIPCVVSMLTKEYL 300
QY 301 FSQ 303
Db 301 FSQ 303

RESULT 2

US-09-561-756-24
Sequence 24, Application US/09561756
Patent No. 6376226
GENERAL INFORMATION:
APPLICANT: Alnemir, Emad S.
TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USES
TITLE OF INVENTION: THEREOF
FILE REFERENCE: 480140.431
CURRENT APPLICATION NUMBER: US/09/561,756
CURRENT FILING DATE: 2000-04-26
PRIOR APPLICATION NUMBER: 09/227,721
PRIOR FILING DATE: 1999-01-08
NUMBER OF SEQ. ID NOS: 116
SOFTWARE: FastSeq for Windows Version 3.0
SEQ. ID NO 24
LENGTH: 303
TYPE: PRT
ORGANISM: Homo sapien
US-09-561-756-24

Query Match 99.8%; Score 1610; DB 4; Length 303;
Best Local Similarity 99.7%; Pred. No. 6.6e-175; Indels 0; Gaps 0;
Matches 302; Conservative 0; Mismatches 1;

QY 1 MADDGCIIEGVEDSANDSDVDKPRSSFVPSLFSKKNVTMS:IKTRDRVPTYOY 60
Db 1 MADDGCIIEGVEDSANDSDVDKPRSSFVPSLFSKKNVTMS:IKTRDRVPTYOY 60
QY 61 NNNEFKLGGKCIINNKNFDPKVTGKGVNRTDKDAALFKCFRSLGFDVIVYNDSCCAKQ 120
Db 61 NNNEFKLGGKCIINNKNFDPKVTGKGVNRTDKDAALFKCFRSLGFDVIVYNDSCCAKQ 120
QY 121 DLKKASEEDHTNACFACILSHGSEENVYIGKDGVTPIKDLTAHFRGDRCKTLEKPKL 180
Db 121 DLKKASEEDHTNACFACILSHGSEENVYIGKDGVTPIKDLTAHFRGDRCKTLEKPKL 180
QY 181 FFIQACRGTELDALQADSGPINDTDANPRYKIPVADFLFASTVPGYYSWRSPGRGSM 240
Db 181 FFIQACRGTELDALQADSGPINDTDANPRYKIPVADFLFASTVPGYYSWRSPGRGSM 240
QY 241 FVQALCSILIEHKGDLIMQILTRVNDRAVAREHESQSDDPHFHEKKQIPCVVSMLTKEYL 300
Db 241 FVQALCSILIEHKGDLIMQILTRVNDRAVAREHESQSDDPHFHEKKQIPCVVSMLTKEYL 300
QY 301 FSQ 303
Db 301 FSQ 303

RESULT 3

US-09-227-721-24
Sequence 24, Application US/09227721
Patent No. 6379950
GENERAL INFORMATION:
APPLICANT: Alnemir, Emad S.
TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USES
TITLE OF INVENTION: THEREOF
FILE REFERENCE: 480140.431
CURRENT APPLICATION NUMBER: US/09/227,721
CURRENT FILING DATE: 1999-01-08
NUMBER OF SEQ. ID NOS: 116
SOFTWARE: FastSeq for Windows Version 3.0
SEQ. ID NO 24
LENGTH: 303
TYPE: PRT
ORGANISM: Homo sapien
US-09-227-721-24

Query Match 99.8%; Score 1610; DB 4; Length 303;
Best Local Similarity 99.7%; Pred. No. 6.6e-175; Indels 0; Gaps 0;
Matches 302; Conservative 0; Mismatches 1;

QY 1 MADDGCIIEGVEDSANDSDVDKPRSSFVPSLFSKKNVTMS:IKTRDRVPTYOY 60
Db 1 MADDGCIIEGVEDSANDSDVDKPRSSFVPSLFSKKNVTMS:IKTRDRVPTYOY 60
QY 61 NNNEFKLGGKCIINNKNFDPKVTGKGVNRTDKDAALFKCFRSLGFDVIVYNDSCCAKQ 120
Db 61 NNNEFKLGGKCIINNKNFDPKVTGKGVNRTDKDAALFKCFRSLGFDVIVYNDSCCAKQ 120
QY 121 DLKKASEEDHTNACFACILSHGSEENVYIGKDGVTPIKDLTAHFRGDRCKTLEKPKL 180
Db 121 DLKKASEEDHTNACFACILSHGSEENVYIGKDGVTPIKDLTAHFRGDRCKTLEKPKL 180
QY 181 FFIQACRGTELDALQADSGPINDTDANPRYKIPVADFLFASTVPGYYSWRSPGRGSM 240
Db 181 FFIQACRGTELDALQADSGPINDTDANPRYKIPVADFLFASTVPGYYSWRSPGRGSM 240
QY 241 FVQALCSILIEHKGDLIMQILTRVNDRAVAREHESQSDDPHFHEKKQIPCVVSMLTKEYL 300
Db 241 FVQALCSILIEHKGDLIMQILTRVNDRAVAREHESQSDDPHFHEKKQIPCVVSMLTKEYL 300
QY 301 FSQ 303
Db 301 FSQ 303

RESULT 4

US-08-556-627A-2
Sequence 2, Application US/08556627A
Patent No. 6462175
GENERAL INFORMATION:
APPLICANT: Alnemir, Emad S.
APPLICANT: Fernandes-Alnemir, Teresa
APPLICANT: Litwack, Gerald
APPLICANT: Armstrong, Robert
APPLICANT: Tomaselli, Kevin
TITLE OF INVENTION: Nch3, A No. 6462175el Apoptotic Protease,
TITLE OF INVENTION: Nucleic Acids Encoding and Methods of Use
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25

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us-09-895-263b-2.closed.rat

Page 1

GenCore version 5.1.6
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OW protein - protein search, using sw model

Run on: December 30, 2003, 06:26:57 ; Search time 21 Seconds
(without alignments)
610.485 Million cell updates/sec

Title: US-09-895-263B-2
Perfect score: 1614
Sequence: 1 MADDOGCTIEGQVEDSANED.....EKKQIPCVSNLTKELYFSQ 303

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 281847

Minimum DB seq length: 0
Maximum DB seq length: 303

Post-processing: Minimum Match 0%

Maximum Match 100%

Database:

Issued_Patents_AA:*
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2: /cgn2_6/pdata/1/1aa/5B.COMB.pep:*
3: /cgn2_6/pdata/1/1aa/6A.COMB.pep:*
4: /cgn2_6/pdata/1/1aa/6B.COMB.pep:*
5: /cgn2_6/pdata/1/1aa/PCTUS.COMB.pep:*
6: /cgn2_6/pdata/1/1aa/Backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1610	99.8	303	US-08-462-969B-2	Sequence 2, Appli
2	1610	99.8	303	US-09-561-756-24	Sequence 24, Appli
3	1610	99.8	303	US-09-227-721-24	Sequence 24, Appli
4	1610	99.8	303	US-08-556-627A-2	Sequence 2, Appli
5	1610	99.8	303	US-09-124-934A-2	Sequence 2, Appli
6	1610	99.8	303	US-08-724-378D-4	Sequence 4, Appli
7	1610	99.8	303	US-08-334-251D-2	Sequence 2, Appli
8	719	44.5	277	US-08-591-605-2	Sequence 2, Appli
9	719	44.5	277	US-08-964-308-6	Sequence 6, Appli
10	719	44.5	277	US-08-462-969B-4	Sequence 6, Appli
11	719	44.5	277	US-08-964-313-6	Sequence 6, Appli
12	719	44.5	277	US-09-069-138-6	Sequence 6, Appli
13	719	44.5	277	US-09-124-934A-4	Sequence 4, Appli
14	719	44.5	277	US-08-334-251D-4	Sequence 4, Appli
15	716	44.4	277	US-09-561-756-12	Sequence 12, Appli
16	716	44.4	277	US-09-227-721-12	Sequence 12, Appli
17	716	44.4	277	US-08-983-502-30	Sequence 30, Appli
18	716	44.4	277	US-08-724-378D-5	Sequence 5, Appli
19	716	44.4	277	US-09-516-747-30	Sequence 30, Appli
20	716	44.4	277	PCT-US96-10521-30	Sequence 30, Appli
21	709	43.9	277	US-08-964-308-10	Sequence 10, Appli
22	709	43.9	277	US-08-964-313-10	Sequence 10, Appli
23	709	43.9	277	US-09-069-138-10	Sequence 10, Appli
24	707	43.8	277	US-08-890-542A-2	Sequence 2, Appli
25	549	34.0	289	US-08-773-608A-2	Sequence 2, Appli
26	474	29.4	283	US-09-561-756-21	Sequence 21, Appli
27	474	29.4	283	US-09-227-721-21	Sequence 21, Appli

28	468	29.0	278	3	US-08-523-813-4	Sequence 4, Appli
29	466	28.9	293	1	US-08-446-925-5	Sequence 5, Appli
30	466	28.9	293	2	US-09-146-331-5	Sequence 5, Appli
31	466	28.9	293	2	US-08-896-888-5	Sequence 5, Appli
32	466	28.9	293	4	US-09-375-256-5	Sequence 5, Appli
33	466	28.9	293	4	US-08-983-502-31	Sequence 31, Appli
34	466	28.9	293	4	US-09-376-156-5	Sequence 5, Appli
35	466	28.9	293	4	US-08-724-378D-6	Sequence 6, Appli
36	466	28.9	293	4	US-09-516-747-31	Sequence 31, Appli
37	466	28.9	293	5	PCT-US96-10521-31	Sequence 31, Appli
38	426.5	26.4	286	4	US-09-360-017-1	Sequence 1, Appli
39	396	24.5	204	1	US-08-446-925-7	Sequence 7, Appli
40	396	24.5	204	2	US-09-146-331-7	Sequence 7, Appli
41	396	24.5	204	2	US-08-896-888-7	Sequence 7, Appli
42	396	24.5	204	4	US-09-375-256-7	Sequence 7, Appli
43	386	24.1	290	4	US-09-376-156-7	Sequence 7, Appli
44	389	24.1	290	4	US-09-561-756-34	Sequence 34, Appli
45	389	24.1	290	4	US-09-227-721-34	Sequence 34, Appli

ALIGNMENTS

RESULT 1
US-08-462-969B-2
Sequence 2, Application US/08462969B
Patent No. 6087150

GENERAL INFORMATION:

APPLICANT: He, Wei-Wu et al.

TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Ave.

CITY: Rockville

STATE: MD

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/462,969B

FILING DATE: 05-JUN-1995

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/334,251

FILING DATE: 11-NOV-1994

ATTORNEY/AGENT INFORMATION:

NAME: Brookes, A. Anders

REGISTRATION NUMBER: 36,373

REFERENCE/DOCKET NUMBER: PFI40P1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 301-309-8439

TELEFAX: 301-309-8504

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 303 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-462-969B-2

Query Match 99.8%; Score 1610; DB 3; Length 303;
Best Local Similarity 99.7%; Pred. No. 6.6e-175;
Matches 302; Conservativity 1; Mismatches 0; Indels 0; Gaps 0;

1 MADDOGCTIEGQVEDSANEDSVAKPDRSSFFVSLFKKKXVTKMSIKTTDRVPTYYQ 60

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 30, 2003, 06:27:52 ; Search time 22. Seconds
(without alignments)
580.813 Million cell updates/sec

Title: US-09-895-263b-2_COPY_2_303
Perfect score: 1609
Sequence: 1 ADDGGCIBEGQVDSNANEDS.....EKQIPCVSMITKELYSQ 302

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 281591

Minimum DB seq length: 0
Maximum DB seq length: 302

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents, AA:
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	719	44.7	277	3	US-08-591-605-2
2	719	44.7	277	3	US-08-964-308-6
3	719	44.7	277	3	US-08-462-969B-4
4	719	44.7	277	3	US-08-964-313-6
5	719	44.7	277	4	US-09-069-138-6
6	719	44.7	277	4	US-09-124-934A-4
7	719	44.7	277	4	US-08-334-51D-4
8	716	44.5	277	4	US-09-561-156-12
9	716	44.5	277	4	US-09-227-721-12
10	716	44.5	277	4	US-08-983-502-30
11	716	44.5	277	4	US-08-724-378D-5
12	716	44.5	277	4	US-09-516-147-30
13	716	44.5	277	5	PCT-US86-10521-30
14	709	44.1	277	3	US-08-964-308-10
15	709	44.1	277	3	US-08-964-313-10
16	709	44.1	277	4	US-09-069-138-10
17	707	43.9	277	2	US-08-890-542A-2
18	549	34.1	299	2	US-08-773-608A-2
19	474	29.5	293	4	US-09-561-756-21
20	474	29.5	293	4	US-08-227-721-21
21	468	29.1	278	3	US-08-522-813-4
22	466	29.0	293	2	US-08-446-925-5
23	466	29.0	293	2	US-09-146-331-5
24	466	29.0	293	2	US-08-896-885-5
25	466	29.0	293	4	US-09-375-256-5
26	466	29.0	293	4	US-08-983-502-31
27	466	29.0	293	4	US-09-376-156-5

28	466	29.0	293	4	US-08-724-378D-6	Sequence 6, Appli
29	466	29.0	293	4	US-09-516-747-31	Sequence 31, Appli
30	466	29.0	293	5	PCT-US96-10521-31	Sequence 1, Appli
31	426.5	26.5	286	4	US-09-360-017-1	Sequence 7, Appli
32	396	24.6	204	1	US-08-446-925-7	Sequence 7, Appli
33	396	24.6	204	2	US-09-146-331-7	Sequence 7, Appli
34	396	24.6	204	2	US-08-896-885-7	Sequence 7, Appli
35	396	24.6	204	4	US-09-375-256-7	Sequence 7, Appli
36	396	24.6	204	4	US-09-561-756-7	Sequence 34, Appli
37	389	24.2	290	4	US-09-227-721-34	Sequence 34, Appli
38	389	24.2	290	4	US-09-561-756-34	Sequence 35, Appli
39	387	24.1	285	4	US-09-227-721-35	Sequence 35, Appli
40	387	24.1	285	4	US-09-124-934A-4	Sequence 11, Appli
41	374	23.2	148	3	US-08-964-308-11	Sequence 11, Appli
42	374	23.2	148	3	US-08-964-313-11	Sequence 11, Appli
43	374	23.2	148	4	US-09-069-138-11	Sequence 20, Appli
44	357	22.2	266	4	US-08-983-502-20	Sequence 20, Appli
45	357	22.2	266	4	US-09-516-747-20	Sequence 20, Appli

ALIGNMENTS

RESULT 1
US-08-591-605-2
Sequence 2, Application US/06591605
Patent No. 6060238
GENERAL INFORMATION:
APPLICANT: Dixit, Vishva M.
TITLE OF INVENTION: METHOD AND COMPOSITION FOR REGULATING
TITLE OF INVENTION: APOPTOSIS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: PALO ALTO
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/591,605
FILING DATE: 09-FEB-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: KONSKI, ANTOINETTE F.
REGISTRATION NUMBER: 34,202
REFERENCE/DOCKET NUMBER: 20344-21036.21
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 813-5600
TELEFAX: (415) 494-0792
TELEX: 706144 MRSNPOERS SFO
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-591-605-2
Query Match 44.7%, Score 719, DB 3, Length 277;
Best Local Similarity 50.9%, Pred. No. 1.7e-73;
Matches 144, Conservative 49, Mismatches 78, Indels 12, Gaps 3;
QY 18 EDSDAKDRSFPSPSLFKKKKKVTRSIKTRDVRVPTQYNNAPFKLCKIINNNK 77
DB 5 ENSVDKSKIR-NLEPKIIHGSSESDSGLSDNS-----YKMDYEMGCLIIINNNK 55
QY 78 DKVTGMGVNCTDADAEALFRCFRSLGFDVIIVYNDSCAKYQDILKKAISEDHTNACFA 137

Db 56 HKSTGWTSSGTVADANLRETFRLNLYEVRNKNQDLTREIIVELMWDVSKESKRSSEFV 115
Qy 136 CILLSHGEENVYIGKGVNPIKDLTAHFRGDRCKTLLEKPLFFIQACGTELDADIAQAD 197
Db 116 CILLSHGEENVYIGKGVNPIKDLTAHFRGDRCKTLLEKPLFFIQACGTELDADIAQAD 175
Qy 198 SGPINDTDANPRYKIPVEADFLFAYSTVPGYISWRSRPGSGMFWQALCSILEHSGDLEI 257
Db 176 SGVDDDMAC---HKIPVEADFLFAYSTVPGYISWRSRPGSGMFWQALCSILEHSGDLEI 232
Qy 258 MQLTRVNDVARHAFESQSDPHFHEKKQICPVVSMLTLELYF 300
Db 233 MQLTRVNDVARHAFESQSDPHFHEKKQICPVVSMLTLELYF 275

RESULT 2

US-08-964-308-6
Sequence 6, Application US/08964308
Patent No. 6086715
GENERAL INFORMATION:
APPLICANT: DESMARAIS, SYLVIE
APPLICANT: FRIESEN, RICHARD
APPLICANT: ZAMONTI, ROBERT
TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE
TITLE OF INVENTION: BINDING ASSAY
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROBERT J. NORTH - MERCK & CO., INC.
STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
CITY: FAIRWAY
STATE: NJ
COUNTRY: USA
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy diskette
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/964,308
FILING DATE: 04-NOV-1996
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: NORTH, ROBERT J
REGISTRATION NUMBER: 27,366
REFERENCE/DOCKET NUMBER: 19840 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-7262
TELEFAX: 732-594-4720
TELEX:
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-964-308-6

Query Match

Best Local Similarity 50.9%; Score 719; DB 3; Length 277;
Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;

Qy 18 EDSVAKRDRSSFFVSLSKKKKAVTMSITKTDRAVTVYQNNNEKLGKCIILNNKF 77
Db 5 ENSVDSKIR-NLEKXIHGSESDGSLDLS-----YKQDPEMGIILNNKF 55
Qy 78 DKVTGMGVNAGTDKDAEALFKCFRSLGFDVIIVNDCSCAKMODLLKKA SEDHTNAACFA 137
Db 56 HKSTGWTSSGTVADANLRETFRLNLYEVRNKNQDLTREIIVELMWDVSKESKRSSEFV 115
Qy 136 CILLSHGEENVYIGKGVNPIKDLTAHFRGDRCKTLLEKPLFFIQACGTELDADIAQAD 197

Db 116 CILLSHGEENVYIGKGVNPIKDLTAHFRGDRCKTLLEKPLFFIQACGTELDADIAQAD 175
Qy 198 SGPINDTDANPRYKIPVEADFLFAYSTVPGYISWRSRPGSGMFWQALCSILEHSGDLEI 257
Db 176 SGVDDDMAC---HKIPVEADFLFAYSTVPGYISWRSRPGSGMFWQALCSILEHSGDLEI 232
Qy 258 MQLTRVNDVARHAFESQSDPHFHEKKQICPVVSMLTLELYF 300
Db 233 MQLTRVNDVARHAFESQSDPHFHEKKQICPVVSMLTLELYF 275

RESULT 3

US-08-462-969B-4
Sequence 4, Application US/08462969B
Patent No. 6087150
GENERAL INFORMATION:
APPLICANT: He, Wei-Wu et al.
TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme
TITLE OF INVENTION: Like Apoptosis Protease 3 and 4
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Ave.
CITY: Rockville
STATE: MD
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/462,969B
FILING DATE: 05-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/334,251
FILING DATE: 11-NOV-1994
ATTORNEY/AGENT INFORMATION:
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PFI40P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-309-8504
TELEFAX: 301-309-8439
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-462-969B-4

Query Match

Best Local Similarity 50.9%; Score 719; DB 3; Length 277;
Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;

Qy 18 EDSVAKRDRSSFFVSLSKKKKAVTMSITKTDRAVTVYQNNNEKLGKCIILNNKF 77
Db 5 ENSVDSKIR-NLEKXIHGSESDGSLDLS-----YKQDPEMGIILNNKF 55
Qy 78 DKVTGMGVNAGTDKDAEALFKCFRSLGFDVIIVNDCSCAKMODLLKKA SEDHTNAACFA 137
Db 56 HKSTGWTSSGTVADANLRETFRLNLYEVRNKNQDLTREIIVELMWDVSKESKRSSEFV 115
Qy 136 CILLSHGEENVYIGKGVNPIKDLTAHFRGDRCKTLLEKPLFFIQACGTELDADIAQAD 197
Db 116 CILLSHGEENVYIGKGVNPIKDLTAHFRGDRCKTLLEKPLFFIQACGTELDADIAQAD 175
Qy 198 SGPINDTDANPRYKIPVEADFLFAYSTVPGYISWRSRPGSGMFWQALCSILEHSGDLEI 257

Db 176 SGVDDMAC--HKIPVADFLIAYSTAPGYSWNSKDGSMFIQSLCAMLKQYADKLEF 232

Qy 258 MQLTRVNDVRAHRESQSDPHFEKQICVVMKLELYF 300

Db 233 MQLTRVNDVRAHRESQSDPHFEKQICVVMKLELYF 275

RESULT 4
US-08-964-313-6
Sequence 6, Application US/08964313
Patent No. 6114132

GENERAL INFORMATION:

APPLICANT: DESMARAIS, SYLVIE
APPLICANT: FRIESEN, RICHARD
APPLICANT: GRESSER, MICHAEL
APPLICANT: KENNEDY, BRIAN
APPLICANT: NICHOLSON, DONALD
APPLICANT: RAMACHANDRAN, CHIDAMBARAN
APPLICANT: SKOREY, KATHRYN
APPLICANT: FORD-HUTCHINSON, ANTHONY
TITLE OF INVENTION: PHOSPHATASE BINDING ASSAY
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESSES:
ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.
STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
CITY: RAHWAY
STATE: NJ
COUNTRY: USA
ZIP: 07065

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/964.313
FILING DATE: 04-NOV-1997
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 60/030,408
FILING DATE: 04-NOV-1996
APPLICATION NUMBER: PCT/CA97/00825
FILING DATE: 03-NOV-1996

ATTORNEY/AGENT INFORMATION:
NAME: DURETTE, PHILIPPE L.
REGISTRATION NUMBER: 35,125
REFERENCE/DOCKET NUMBER: 19824Y
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-4568
TELEFAX: 732-594-4720

TELEX:

INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:

LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-964-313-6

Query Match 44.7%; Score 719; DB 3; Length 277;
Best Local Similarity 50.9%; Pred. No. 1.7e-73;
Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;

Qy 18 EDSVDKAPDRSSVPSLFSKKKKVMTSIRKTRDVRVPTQYNNMFEKLGKCIINNNKF 77

Db 5 ENSVDKSKIK-NLEPKIIGSEMSDGLSDNS-----YKMDYPEMGICIIINNNKF 55

Qy 78 DKYTGAVNGTQKDAEALFKPCRSIGFVIVYVNDSCAKMODLLKKAASEEDHTNACFA 137

Db 56 HKSTGMSRSRGTDVDAANIRETRNLKYEVRNKNDLTREIIVELMRDVKEDHSKSSSFV 115

Qy 138 CILSHGENVIYKDGVTPIKDLTAHPRGRCKTLLEKPLFFIOACRGTELDPAIQAD 197

Db 116 CVLLSHGEBGILFGNGEVDLKKITNFRGRGRCKTLTKPLFIQARGETLDCGIETD 175

Qy 198 SGPINDTANPRYKIPVADFLIAYSTVPGYYSWRSPGRSGMFPVQALCSIEHGQDLEI 257

Db 176 SGVDDMAC--HKIPVADFLIAYSTAPGYSWNSKDGSMFIQSLCAMLKQYADKLEF 232

Qy 258 MQLTRVNDVRAHRESQSDPHFEKQICVVMKLELYF 300

Db 233 MQLTRVNDVRAHRESQSDPHFEKQICVVMKLELYF 275

RESULT 5
US-09-069-138-6
Sequence 6, Application US/09069138
Patent No. 6348572

GENERAL INFORMATION:

APPLICANT: DESMARAIS, SYLVIE
APPLICANT: DURESNE, CLAUDE
APPLICANT: FRIESEN, RICHARD
APPLICANT: LEBLANC, YVES
APPLICANT: ROY, PATRICK
APPLICANT: YOUNG, ROBERT N.
APPLICANT: ZAMBONI, ROBERT
TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE
TITLE OF INVENTION: BINDING ASSAY
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESSES:
ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.
STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
CITY: RAHWAY
STATE: NJ
COUNTRY: USA
ZIP: 07065

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy Diskette
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/069.138
FILING DATE: 29-APR-1998
CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:
NAME: DURETTE, PHILIPPE L.
REGISTRATION NUMBER: 35,125
REFERENCE/DOCKET NUMBER: 19840YIA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-4568
TELEFAX: 732-594-4720

TELEX:

INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:

LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-069-138-6

Query Match 44.7%; Score 719; DB 4; Length 277;
Best Local Similarity 50.9%; Pred. No. 1.7e-73;
Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;

Qy 18 EDSVDKAPDRSSVPSLFSKKKKVMTSIRKTRDVRVPTQYNNMFEKLGKCIINNNKF 77

Db 5 ENSVDKSKIK-NLEPKIIGSEMSDGLSDNS-----YKMDYPEMGICIIINNNKF 55

Qy 78 DKYTGAVNGTQKDAEALFKPCRSIGFVIVYVNDSCAKMODLLKKAASEEDHTNACFA 137

Db 56 HKSTGMSRSRGTDVDAANIRETRNLKYEVRNKNDLTREIIVELMRDVKEDHSKSSSFV 115

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QY      138 CILSHGEENVYIGKGVTPIKDLTAHFRGDRCKTLLEKPKLFFIOACRGTELDPAIQAD 197
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Db      116 CULSHGEGEIIIFGNGPVDLAKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETD 175
QY      198 SGPIINDTANPRYKIPVEADFLFAYSTVPGYYSWRSPGRGSMFVQALCSILEBHGKDEI 257
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      176 SGVDDDMAC---HKIPVEADFLVAYSTAGYYSWRNSKDGSMFIQSLCAMLKQYADKLEF 232
QY      258 MQLTRVNDVRAHAFESQSDPHFHEKKQIPCVVSMLTKELYF 300
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      233 MQLTRVNRKVATEFESFSDATFPAKKQIPCVVSMLTKELYF 275

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RESULT 6

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US-09-124-934A-4
; Sequence 4, Application US/09124934A
; Patent No. 6495519
; GENERAL INFORMATION:
; APPLICANT: He, Wei-Wu et al.
; TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme Like Apoptosis Protease 3 at
; FILE REFERENCE: PFI40C1
; CURRENT APPLICATION NUMBER: US/09/124,934A
; CURRENT FILING DATE: 1994-11-01
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 4
; LENGTH: 277
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-124-934A-4

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Query Match      44.7%; Score 719; DB 4; Length 277;
Best Local Similarity 50.9%; Pred. No. 1,7e-73;
Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;

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QY      18 EDSVDAKPRSSFPVPSLFSSKKKKVNTKRSIKITRDRVPTQYNNNFEKLGKCIINNKNF 77
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Db      5 ENSVDSKSIK-NLEPKIIHGSEMSDGLSDNS-----YKMDYEMGLCIIINNKNF 55
QY      78 DRYTGMGVRNGTDKDAEALFKCFRSLGFDVIYVNDSCAKMODLLKKAASEDHNTNACFA 137
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      56 HKSTGMTSRSGTDVDAANLRETFRNKLYEVNRKNDLTREIIVELMRDVSKEDESKRSSFV 115
QY      138 CILSHGEENVYIGKGVTPIKDLTAHFRGDRCKTLLEKPKLFFIOACRGTELDPAIQAD 197
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      116 CULSHGEGEIIIFGNGPVDLAKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETD 175
QY      198 SGPIINDTANPRYKIPVEADFLFAYSTVPGYYSWRSPGRGSMFVQALCSILEBHGKDEI 257
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      176 SGVDDDMAC---HKIPVEADFLVAYSTAGYYSWRNSKDGSMFIQSLCAMLKQYADKLEF 232
QY      258 MQLTRVNDVRAHAFESQSDPHFHEKKQIPCVVSMLTKELYF 300
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      233 MQLTRVNRKVATEFESFSDATFPAKKQIPCVVSMLTKELYF 275

```

RESULT 7

```

US-08-334-251D-4
; Sequence 4, Application US/08334251D
; Patent No. 6538121
; GENERAL INFORMATION:
; APPLICANT: He et al.
; TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme Like Apoptosis Protease 3 at
; FILE REFERENCE: PFI40
; CURRENT APPLICATION NUMBER: US/08/334,251D
; CURRENT FILING DATE: 1994-11-01
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 4
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-334-251D-4

```

```

Query Match      44.7%; Score 719; DB 4; Length 277;
Best Local Similarity 50.9%; Pred. No. 1,7e-73;
Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;

```

```

QY      18 EDSVDAKPRSSFPVPSLFSSKKKKVNTKRSIKITRDRVPTQYNNNFEKLGKCIINNKNF 77
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      5 ENSVDSKSIK-NLEPKIIHGSEMSDGLSDNS-----YKMDYEMGLCIIINNKNF 55
QY      78 DRYTGMGVRNGTDKDAEALFKCFRSLGFDVIYVNDSCAKMODLLKKAASEDHNTNACFA 137
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      56 HKSTGMTSRSGTDVDAANLRETFRNKLYEVNRKNDLTREIIVELMRDVSKEDESKRSSFV 115
QY      138 CILSHGEENVYIGKGVTPIKDLTAHFRGDRCKTLLEKPKLFFIOACRGTELDPAIQAD 197
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      116 CULSHGEGEIIIFGNGPVDLAKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETD 175
QY      198 SGPIINDTANPRYKIPVEADFLFAYSTVPGYYSWRSPGRGSMFVQALCSILEBHGKDEI 257
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      176 SGVDDDMAC---HKIPVEADFLVAYSTAGYYSWRNSKDGSMFIQSLCAMLKQYADKLEF 232
QY      258 MQLTRVNDVRAHAFESQSDPHFHEKKQIPCVVSMLTKELYF 300
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      233 MQLTRVNRKVATEFESFSDATFPAKKQIPCVVSMLTKELYF 275

```

RESULT 8

```

US-09-561-756-12
; Sequence 12, Application US/09561756
; Patent No. 6578226
; GENERAL INFORMATION:
; APPLICANT: Alnemati, Emad S.
; TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USES
; FILE REFERENCE: 480140.431
; CURRENT APPLICATION NUMBER: US/09/561,756
; CURRENT FILING DATE: 2000-04-26
; PRIOR APPLICATION NUMBER: 09/227,721
; PRIOR FILING DATE: 1999-01-08
; NUMBER OF SEQ ID NOS: 116
; SOFTWARE: FastSeq for Windows version 3.0
; SEQ ID NO 12
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-561-756-12

```

```

Query Match      44.5%; Score 716; DB 4; Length 277;
Best Local Similarity 50.5%; Pred. No. 3,7e-73;
Matches 143; Conservative 50; Mismatches 78; Indels 12; Gaps 3;

```

```

QY      18 EDSVDAKPRSSFPVPSLFSSKKKKVNTKRSIKITRDRVPTQYNNNFEKLGKCIINNKNF 77
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      5 ENSVDSKSIK-NLEPKIIHGSEMSDGLSDNS-----YKMDYEMGLCIIINNKNF 55
QY      78 DRYTGMGVRNGTDKDAEALFKCFRSLGFDVIYVNDSCAKMODLLKKAASEDHNTNACFA 137
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      56 HKSTGMTSRSGTDVDAANLRETFRNKLYEVNRKNDLTREIIVELMRDVSKEDESKRSSFV 115
QY      138 CILSHGEENVYIGKGVTPIKDLTAHFRGDRCKTLLEKPKLFFIOACRGTELDPAIQAD 197
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      116 CULSHGEGEIIIFGNGPVDLAKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETD 175
QY      198 SGPIINDTANPRYKIPVEADFLFAYSTVPGYYSWRSPGRGSMFVQALCSILEBHGKDEI 257
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      176 SGVDDDMAC---HKIPVEADFLVAYSTAGYYSWRNSKDGSMFIQSLCAMLKQYADKLEF 232
QY      258 MQLTRVNDVRAHAFESQSDPHFHEKKQIPCVVSMLTKELYF 300
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      233 MQLTRVNRKVATEFESFSDATFPAKKQIPCVVSMLTKELYF 275

```

RESULT 9

```

US-09-227-721-12
Sequence 12, Application US/09227721
Patent No. 6379950
GENERAL INFORMATION:
APPLICANT: Altemt, Ema S.
TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USES
FILE REFERENCE: 480140.431
CURRENT APPLICATION NUMBER: US/09/227,721
CURRENT FILING DATE: 1999-01-08
NUMBER OF SEQ ID NOS: 116
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 12
LENGTH: 277
TYPE: PRT
ORGANISM: Homo sapien
US-09-227-721-12

```

Query Match	44.5%	Score 716;	DB 4;	Length 277;
Best Local Similarity	50.5%;	Pred. No. 3	7e-73;	
Matches 143;	Conservative 50;	Mismatches 78;	Indels 12;	Gaps 3

QY 18 EDSVDKAPDDSSVPELFFKKKKKNTMRSIKTRRPRVETYYNNNFELGCGIINNKN 77

Db 5 ENSVDKSIK-NLEPRTIHGSEMSGSLDMS-----YKNDYEMGICIIINNKNF 55

QY 78 DKYTGKVGVRGTGDKDEALFKCPRSLGFGVIVYVNDCCARMODLFLKASBEDHTNACFA 137

Db 56 HKSGTMSRSGTVDVDANLRTEPRNKLYVRKNDLTREELVEZLMDRYSKDHKRSFV 115

QY 138 CIIISGEEENVYIGXGVTPRIKDLTHAPRGRCKTLLKPKLFFQACRGTELDALQAD 197

Db 116 CVLLSHQEBEILIGTNGVPDLKKITNFFPGDRCRLTRPKPLFIIGACRGTELDGSEITD 175

QY 198 SGPINPTDANPRKTIIVEADPLFAYSTVYGYSMSRPGSGMFWOALCSLIEEGKOLEI 257

Db 176 SGVDDDAAC--KILPDDADFLAYSTAGYISMNKNSGSMFIQSLCMLKQYADLKEF 222

QY 258 MQLITRVNDEVAHFESQSDPHFEKKOIPCVCVSMLTKELYE 300

Db 233 MHILTRVNRKATEFESFSDATFAKKOIPCIVSMLTKELYE 275

RESULT 10
US-08-983-502-30
; Sequence 30, Application US/08983502
; Patent No. 6399327

APPLICANT: David WALLACH
APPLICANT: Mark P. BOLDIN
APPLICANT: Tanya M. GONCHAROV
APPLICANT: Yuri V. GOLITSY
TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
TITLE OF INVENTION: AND OTHER PROTEINS
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:

STREET: 419 Seventh Street N.W., Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0; Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/983,502
FILING DATE: 16-JAN-1998
PRIOR APPLICATION NUMBER: PCT/US96/10521
FILING DATE: 14-JUN-1996

```

1      PRIOR APPLICATION DATA:
2      APPLICATION NUMBER: IL 114,615
3      FILING DATE: 16-JUL-1995
4      PRIOR APPLICATION DATA:
5      APPLICATION NUMBER: IL 114,986
6      FILING DATE: 17-AUG-1995
7      PRIOR APPLICATION DATA:
8      APPLICATION NUMBER: IL 115,319
9      FILING DATE: 14-SEP-1995
10     PRIOR APPLICATION DATA:
11     APPLICATION NUMBER: IL 116,588
12     FILING DATE: 27-DEC-1995
13     PRIOR APPLICATION DATA:
14     APPLICATION NUMBER: IL 117,932
15     FILING DATE: 16-APR-1996
16     ATTORNEY/AGENT INFORMATION:
17     NAME: BROWDY, Roger L.
18     REGISTRATION NUMBER: 25,618
19     REFERENCE/DOCKET NUMBER: WALLACH=19
20     TELECOMMUNICATION INFORMATION:
21     TELEPHONE: (202) 628-5197
22     TELEFAX: (202) 737-3528
23     INFORMATION FOR SEQ. ID NO: 30:
24     SEQUENCE CHARACTERISTICS:
25     LENGTH: 277 amino acids
26     TYPE: amino acid
27     STRANDEDNESS: single
28     TOPOLOGY: linear
29     MOLECULE TYPE: protein
30     US-08-983-502-30

```

Query Match	44.5%;	Score 716;	DB 4;	Length 277;
Best Local Similarity	50.5%;	Pred. No. 3.7e-73;		
Matches 143;	Conservative 50;	Mismatches 78;	Indels 12;	Gaps 3;

```

QY 1 EDSVADKPPRRSEFVSLSSKKKKKQVNTMSITTEDRVPTQYNNNEFKLCKCLINNNKF 72
    |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 5 ENSVDKSKR-NLEPKITHGESEMDSGSLONS-----YKDIYEMGLCILINNNKF 55

QY 78 DKYTGAVENGTDKDAEALFKCFRSLGFDVIYVNDSCAKKQDILLKASEEDHTNAACFA 137
    |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 56 HKSTGWTSSGTDVDAANIREFFRLKLEYVNNKNDLIREELVEIMRVSKEDESKSFFV 151

QY 138 CILHSGEENVLYGQDGYTPIKDLTAHGRGRCTLYLEKPLFTIQCRGTELDADAQ 197
    |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 116 CVALSHGEGGILFTGNGPVDLKKTINFRGRGCSLNGKPLFLIQCRGTELDGGEITD 175

QY 198 SGEINDTDANPRKYLPEADFLFAVSTVPGYVMSPEGRGWFVQALCSILHBGKDL 257
    |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 176 SGVDDDMAC---HKIPVDADFLYAASTPAGYVWRNSKDSGMFIQSLCAMLKQYADKLEF 232

QY 258 MQLITVNDVARHFSGSDDPHFHEKQICQVWSMLTKELYP 300
    |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 233 MLITLVNKKVATLEFSSFDATFLPAKKQICQVWSMLTKELYP 275

```

```

RESULT 11
US-08-724-378D-5
; Sequence 5, Application US/08724378D
; Patent No. 6512104
;
GENERAL INFORMATION:
;
APPLICANT: JUAN, SHAO-CHIH
;
APPLICANT: FLETCHER, FREDERICK A.
;
APPLICANT: PATTERSON, SCOTT D.
;
TITLE OF INVENTION: INTERLEUKIN 1-BETA CONVERTING ENZYME LIKE CYPESTEINER
;
TITLE OF INVENTION: PROTEASE
;
FILE REFERENCE: 06843-0019-000000
;
CURRENT APPLICATION NUMBER: US/08/724,378D
;
CURRENT FILING DATE: 1996-10-01
;
NUMBER OF SEQ ID NOS: 17
;
SOFTWARE: PatentIn Ver. 2.1
;
SEQ ID NO 5
;
LENGTH: 277

```

TYPE: PRT
ORGANISM: Homo sapiens
US-08-724-378D-5

Query Match 44.5%; Score 716; DB 4; Length 277;
Best Local Similarity 50.5%; Pred. No. 3.7e-73;
Matches 143; Conservative 50; Mismatches 78; Indels 12; Gaps 3;

18 EDSDYAKPDRSSVPSLFSKSKKQVMTSRISIKTRDRVPTQYNNNEKLGKCIINNKNF 77
5 ENSVDSKSIK-NLEPKIHGSEMSDGLSDNS-----YKMDPEMGLCIIINNKNF 55
78 DKVTGKGVNKTGDKDAEALFKCFRSLGFVIVYVNDSCAKMODLLKASEEDHTNACFA 137
56 HKSTGWTSSRGTDVDANLRETFRNKYEVRNKNDLTREIVELMKDVSKEHSKSSSFV 115
138 CILSHGEENVYIGKGVTPRIKDLTAHFRGDRCKTLEKPKLFFIQACRGTELDADAIOAD 197
116 CVLLSHGEBGILFTGNGPVDLKKTINFRDRCRSLTGKPKLFIQACRGTELDGCIETD 175
198 SGPINDTDANPRYKIPVEADFLFAYSTVPGYYSWSPGSGWVQALCSILEHGKDLFI 257
176 SGVDDMAC--HKIPDADFLVAYSTAPGYYSWRNSKDSWFIQSLCAVLMKQYADKLEF 232
258 MQLTRVNDVRAHFEQSDDPHHEKKQIPCVVSMLTKEYL 300
233 WHILTRVNRKATFEFSFDPATFHAQKQIPCLVSMLTKEYL 275

RESULT 12
US-09-516-747-30
Sequence 30, Application US/09516747
Patent No. 6585571
GENERAL INFORMATION:
APPLICANT: David WALLACH
Mark P. BOLDIN
Yury V. GOLITSEV
Tanya M. GONCHAROV

TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
AND OTHER PROTEINS
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Broadway and Neimark
STREET: 419 Seventh Street N.W., Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/516,747
FILING DATE: 01-Mar-2000
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/983,502
FILING DATE: <Unknown>
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Brodsky, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH=19

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-3528

INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 30:

US-09-516-747-30
Query Match 44.5%; Score 716; DB 4; Length 277;
Best Local Similarity 50.5%; Pred. No. 3.7e-73;
Matches 143; Conservative 50; Mismatches 78; Indels 12; Gaps 3;

18 EDSDYAKPDRSSVPSLFSKSKKQVMTSRISIKTRDRVPTQYNNNEKLGKCIINNKNF 77
5 ENSVDSKSIK-NLEPKIHGSEMSDGLSDNS-----YKMDPEMGLCIIINNKNF 55
78 DKVTGKGVNKTGDKDAEALFKCFRSLGFVIVYVNDSCAKMODLLKASEEDHTNACFA 137
56 HKSTGWTSSRGTDVDANLRETFRNKYEVRNKNDLTREIVELMKDVSKEHSKSSSFV 115
138 CILSHGEENVYIGKGVTPRIKDLTAHFRGDRCKTLEKPKLFFIQACRGTELDADAIOAD 197
116 CVLLSHGEBGILFTGNGPVDLKKTINFRDRCRSLTGKPKLFIQACRGTELDGCIETD 175
198 SGPINDTDANPRYKIPVEADFLFAYSTVPGYYSWSPGSGWVQALCSILEHGKDLFI 257
176 SGVDDMAC--HKIPDADFLVAYSTAPGYYSWRNSKDSWFIQSLCAVLMKQYADKLEF 232
258 MQLTRVNDVRAHFEQSDDPHHEKKQIPCVVSMLTKEYL 300
233 WHILTRVNRKATFEFSFDPATFHAQKQIPCLVSMLTKEYL 275

RESULT 13
PCT-US96-10521-30

Sequence 30, Application PC/TUS9610521
GENERAL INFORMATION:

APPLICANT:
TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
AND OTHER PROTEINS
NUMBER OF SEQUENCES: 34

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30 (ERO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/10521
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids

```

;      TYPE: amino acid
;      STRANDEDNESS: single
;      TOPOLOGY: linear
;      MOLECULE TYPE: protein
PCT-US96-10521-30

```

Query Match	44.5%	Score 716;	DB 5;	Length 277;
Best Local Similarity	50.5%;	Pred. No. 3.7e-73;		
Matches 143;	Conservative 50;	Mismatches 78;	Indels 12;	Gaps 32

```

QY 16 ESDVDKKPSSSVPLPFLPKKKKKNTMRSIKTRTRRVPVLYOYNNNFELGKCIINKNF 77
   |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
Db 5 ENSDVDSKIX-NLEPKLHIGSEMSDGSIDNS-----KNDYPMGLCIIINKNF 55

QY 78 DKYTGAVNGRTDKDAEALFKCFRSLGFDVIIVYNDSCARKODILLKASBEDHTNAACFA 137
Db 56 HKSTGKMTSRGTDVDANLRTEFRNNLAKTEVRKNKDLTRREEIYELNRPDYSKDEHSKRSFV 115

QY 138 CILLSHQENVIVYKQKGVTPFKIDLTNAHFQDSCIKLLEKPLFLFOACRGELEDDAIOAD 197
Db 116 CVLLSHQEEIIVYKQKGVTPDKKLTINFFQDSCRSLLTGKPKPLFIIOACRGELEDDGIETD 175

QY 198 SGEINDTANPRKIPLEADFLFVAGTVGVYKWSPPRGSMFVALCSIIIEHGKDLFI 257
Db 176 SGVDDDMAC---HKIPVDADFLVAYASTAGYVSMNSKDGSMFIOSLCLAMLKQYADKLEF 232

QY 258 MQLITRNDAVAHFESQDDPHFHKKKIDPCVVMILKELVYF 300
Db 233 MHILITRNRYKVAEFESFSDATFAKKKIDPCIVSMILKELVYF 275

```

RESULT 14
US-08-964-308-10

Sequence 10. Application US/08964308
Patent NO. 6066715
GENERAL INFORMATION:
APPLICANT: DESMARAIS, SYLVIE
APPLICANT: FRIESEN, RICHARD
APPLICANT: ZAMBONI, ROBERT
TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE
TITLE OF INVENTION: BINDING ASSAY
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROBERT J. NORTH - MERCK & CO., INC.
STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 20000
CITY: RAYMAY
STATE: NJ
COUNTRY: USA
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Diskette
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/964,308
FILING DATE: 04-NOV-1996
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: NORTH, ROBERT J.
REGISTRATION NUMBER: 27,366
REFERENCE/DOCKET NUMBER: 19840 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-7262
TELEFAX: 732-594-4720
TELEX:
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 217 amino acids
TYPE: amino acid
STRANDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide

US-08-964-308-10

Query Match	44.1%	Score 709	DB 3	Length 277
Best Local Similarity	50.5%	Pred. No. 2.3e-72		
Matches 143	Conservative 49	Mismatches 79	Indels 12	Gaps 3

[illegible]

RESULT 15

US-08-964-313-10
; Sequence 10, Application US/08964313

APPLICANT: DESMARAIS, SYLVIE
APPLICANT: FRIEMAN, RICHARD
APPLICANT: GRASSER, MICHAEL
APPLICANT: KENNEDY, BRIAN
APPLICANT: NICHOLSON, DONALD
APPLICANT: RAMACHANDRAN, CHIDAMBARAN
APPLICANT: SKOREY, KATHRYN
APPLICANT: FORD-HUTCHINSON, ANTHONY
TITLE OF INVENTION: PHOSPHATASE BINDING ASSAY
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC
CITY: STREET 126 EAST LINCOLN AVENUE - P.O. BOX 2000
STREET: RAYWAY
STATE: NJ
COUNTRY: USA
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: Fastseq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/964,313
FILING DATE: 04-NOV-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/030,408
FILING DATE: 04-NOV-1996
APPLICATION NUMBER: PCT/CA97/00825
FILING DATE: 03 -NOV-1996
ATTORNEY/AGENT INFORMATION:
NAME: DURETTE, PHILIPPE L.
REGISTRATION NUMBER: 35,125
REFERENCE/DOCKET NUMBER: 19824Y
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-4568
TELEFAX: 732-594-4720
TELEX:
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:

LENGTH: 277 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-964-313-10

Query Match 44.1%; Score 709; DB 3; Length 277;
Best Local Similarity 50.5%; Pred. No. 2.3e-72;
Matches 143; Conservative 49; Mismatches 79; Indels 12; Gaps 3;

QY	16	EDSVDAKPPDRSSVPSLFSKKKXNVTRSIKTRDRVPTVQVNMNFEKLGKCLINNNKF	77
DB	5	ENSVDSSKIK-NLEPKIHGSESMDSGISLDS-----YMDYPEWGLCILLNNKF	55
QY	78	DKVTGMGVRNGTDKDAEALFKCFRSLGFVDIVYNDCSCAMODLLKKASEEDHTNAACFA	137
DB	56	HKSTGMTSRSGTVDANLRETFRNLYEVNKNDLTREIIVELMRDVSKEHSKRSFV	115
QY	138	CIILSHGEENVYIGKGVTPIKDLTAHFRGDRCKTLLEKPLFFIQACRGTEDDAIAD	197
DB	116	CVLLSHGEEGIIFGTNGPVDLKKITNFRGDRCSLTGKPLFIIOASRGTEDCGIFTD	175
QY	198	SCPINDIPANPRYKIPVADFLPAYSTVPGYSWRSPGRGWFVALCSILBEHGKLEI	257
DB	176	SGVDDDMAC--HKIPVADFLPAYSTVPGYSWRSPGRGWFVALCSILBEHGKLEI	232
QY	258	MQILTRVNDVRAHFESQDDPHFHEKKQIPCVVSMITKELF	300
DB	233	MHILTRVNRVATEFESFSDATFHAKQIPCIIVSMITKELF	275

Search completed: December 30, 2003, 06:41:11
Job time : 22 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 29, 2003, 16:35:56 ; Search time 36 Seconds
(without alignments)
1531.329 Million cell updates/sec

Title: US-09-895-263b-4

Perfect score: 1463
Sequence: 1 MENTENSVDSKSKINLEPKI.....AKKQIPCTIVMTKELRYTH 277

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 724715 seqs, 199017464 residues

Total number of hits satisfying chosen parameters: 433251

Minimum DB seq length: 0

Maximum DB seq length: 277

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database: Published Applications AA*

1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCR_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
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8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
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13: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1463	100.0	277	9	US-09-895-263b-4
2	1463	100.0	277	15	US-10-214-932-108
3	1463	100.0	277	15	US-10-207-655-202
4	1460	99.8	277	10	US-09-954-697-12
5	1460	99.8	277	12	US-09-851-873-98
6	1460	99.8	277	12	US-10-280-670-5
7	1460	99.8	277	12	US-10-368-438-30
8	1461	98.5	277	12	US-10-155-567-4
9	1397	95.5	264	14	US-10-103-448-3
10	833	56.9	182	9	US-09-809-905-2
11	771	52.7	147	15	US-10-214-932-110
12	551	37.7	102	15	US-10-214-932-112
13	418.5	28.6	204	15	US-10-171-077-7
14	418.5	23.4	266	15	US-10-368-438-20
15	342.5				

16	316	21.6	167	9	US-09-864-761-48728
17	274.5	18.8	242	9	US-09-764-803A-24
18	274.5	18.8	242	9	US-09-845-028-2
19	274.5	18.8	242	9	US-09-845-028-9
20	274.5	18.8	242	12	US-09-851-873-105
21	274	18.7	257	9	US-09-764-803A-2
22	274	18.7	260	10	US-09-989-903-2
23	274	18.7	260	15	US-10-068-564-2
24	273.5	18.7	242	10	US-09-989-903-5
25	273.5	18.7	242	15	US-10-068-564-5
26	271.5	18.6	229	9	US-09-764-803A-4
27	250	17.1	51	10	US-09-989-903-34
28	250	17.1	51	15	US-10-068-564-34
29	244	16.7	58	10	US-09-989-903-27
30	244	16.7	58	15	US-10-068-564-27
31	240.5	16.4	123	9	US-09-864-761-47950
32	229.5	15.7	214	10	US-09-989-903-9
33	229.5	15.7	214	15	US-10-068-564-9
34	227.5	15.6	253	15	US-10-198-070-28
35	217	14.8	42	10	US-09-989-903-33
36	217	14.8	42	15	US-10-068-564-33
37	205.5	14.0	223	10	US-09-888-243-22
38	204.5	14.0	230	10	US-09-989-903-7
39	204.5	14.0	230	15	US-10-068-564-7
40	191	13.1	39	10	US-09-989-903-30
41	191	13.1	39	15	US-10-068-564-30
42	190	13.0	47	10	US-09-989-903-28
43	190	13.0	47	15	US-10-068-564-28
44	180	12.3	277	12	US-09-851-873-8
45	177	12.1	52	10	US-09-989-903-40

ALIGNMENTS

RESULT 1
US-09-895-263b-4
Sequence 4, Application US/09895263

Patent No. US20020076793A1

GENERAL INFORMATION:

APPLICANT: He, Wei-Wu et al.
TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme
Like Apoptosis Protease 3 and 4

NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Ave.
CITY: Rockville

STATE: MD
COUNTRY: USA
ZIP: 20850

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/895,263
FILING DATE: 02-Jul-2001

CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: <Unknown>

FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Jonathan L. Klein

REGISTRATION NUMBER: 41,115
REFERENCE/DOCKET NUMBER: P1140

TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-251-6015

TELEFAX: 301-309-8439

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 277 amino acids

Sequence 48728, A
Sequence 24, Appl
Sequence 2, Appl
Sequence 9, Appl
Sequence 105, App
Sequence 2, Appl
Sequence 2, Appl
Sequence 5, Appl
Sequence 4, Appl
Sequence 34, Appl
Sequence 27, Appl
Sequence 27, Appl
Sequence 47950, A
Sequence 9, Appl
Sequence 9, Appl
Sequence 28, Appl
Sequence 33, Appl
Sequence 33, Appl
Sequence 22, Appl
Sequence 7, Appl
Sequence 30, Appl
Sequence 30, Appl
Sequence 28, Appl
Sequence 28, Appl
Sequence 8, Appl
Sequence 40, Appl

TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 4
US-09-895-263-4

Query Match 100.0%; Score 1463; DB 9; Length 277;
Best Local Similarity 100.0%; Pred. No. 1.2e-143;
Matches 277; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSKINLEPKIIGHSESDSGISLDSNYKMDYPEMGLCIINNNKQFHKSTG 60
DB 1 MENTENSVDKSKINLEPKIIGHSESDSGISLDSNYKMDYPEMGLCIINNNKQFHKSTG 60
QY 61 MTSRSGTDVDAAANRETFRNKYEVRNKNDLTREIYELMRDVSKEHDSKRSFVCVLLS 120
DB 61 MTSRSGTDVDAAANRETFRNKYEVRNKNDLTREIYELMRDVSKEHDSKRSFVCVLLS 120
QY 121 HGEEGIIIFGTNGPVDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSCVDD 180
DB 121 HGEEGIIIFGTNGPVDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSCVDD 180
QY 181 DMACHKIPEVADFLYASTAGYYSWNSKDGSWFIQSLCMLKQYADKLEFMHILTRVN 240
DB 181 DMACHKIPEVADFLYASTAGYYSWNSKDGSWFIQSLCMLKQYADKLEFMHILTRVN 240
QY 241 RKVATFEFSFSDATFPAKKQIPCIIVSMLTKELYFYH 277
DB 241 RKVATFEFSFSDATFPAKKQIPCIIVSMLTKELYFYH 277

RESULT 2
US-10-214-932-108
Sequence 108; Application US//10214932
Publication No. US20030100707A1
GENERAL INFORMATION:
APPLICANT: HWANG, Inhwan
APPLICANT: KIM, Dae Heon
APPLICANT: LEE, Yong Jik
TITLE OF INVENTION: SYSTEM FOR DETECTING PROTEASE
FILE REFERENCE: APO02/US
CURRENT APPLICATION NUMBER: US/10/214,932
CURRENT FILING DATE: 2002-08-08
NUMBER OF SEQ ID NOS: 133
SOFTWARE: PatentIn version 3.1
SEQ ID NO 108
LENGTH: 277
TYPE: PRT
ORGANISM: Homo sapiens
US-10-214-932-108

Query Match 100.0%; Score 1463; DB 15; Length 277;
Best Local Similarity 100.0%; Pred. No. 1.2e-143;
Matches 277; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSKINLEPKIIGHSESDSGISLDSNYKMDYPEMGLCIINNNKQFHKSTG 60
DB 1 MENTENSVDKSKINLEPKIIGHSESDSGISLDSNYKMDYPEMGLCIINNNKQFHKSTG 60
QY 61 MTSRSGTDVDAAANRETFRNKYEVRNKNDLTREIYELMRDVSKEHDSKRSFVCVLLS 120
DB 61 MTSRSGTDVDAAANRETFRNKYEVRNKNDLTREIYELMRDVSKEHDSKRSFVCVLLS 120
QY 121 HGEEGIIIFGTNGPVDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSCVDD 180
DB 121 HGEEGIIIFGTNGPVDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSCVDD 180
QY 181 DMACHKIPEVADFLYASTAGYYSWNSKDGSWFIQSLCMLKQYADKLEFMHILTRVN 240
DB 181 DMACHKIPEVADFLYASTAGYYSWNSKDGSWFIQSLCMLKQYADKLEFMHILTRVN 240
QY 241 RKVATFEFSFSDATFPAKKQIPCIIVSMLTKELYFYH 277

DB 241 RKVATFEFSFSDATFPAKKQIPCIIVSMLTKELYFYH 277

RESULT 3
US-10-207-655-202
Sequence 202; Application US//10207655
Publication No. US20030118592A1
GENERAL INFORMATION:
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Hayden-Ledbetter, Martha S.
TITLE OF INVENTION: BINDING DOMAIN-IMMUNOGLOBULIN FUSION PROTEINS
FILE REFERENCE: 390069.401C1
CURRENT APPLICATION NUMBER: US/10/207,655
CURRENT FILING DATE: 2002-07-25
NUMBER OF SEQ ID NOS: 426
SOFTWARE: PatentIn version 3.0
SEQ ID NO 202
LENGTH: 277
TYPE: PRT
ORGANISM: Homo sapiens
US-10-207-655-202

Query Match 100.0%; Score 1463; DB 15; Length 277;
Best Local Similarity 100.0%; Pred. No. 1.2e-143;
Matches 277; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSKINLEPKIIGHSESDSGISLDSNYKMDYPEMGLCIINNNKQFHKSTG 60
DB 1 MENTENSVDKSKINLEPKIIGHSESDSGISLDSNYKMDYPEMGLCIINNNKQFHKSTG 60
QY 61 MTSRSGTDVDAAANRETFRNKYEVRNKNDLTREIYELMRDVSKEHDSKRSFVCVLLS 120
DB 61 MTSRSGTDVDAAANRETFRNKYEVRNKNDLTREIYELMRDVSKEHDSKRSFVCVLLS 120
QY 121 HGEEGIIIFGTNGPVDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSCVDD 180
DB 121 HGEEGIIIFGTNGPVDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCIETDSCVDD 180
QY 181 DMACHKIPEVADFLYASTAGYYSWNSKDGSWFIQSLCMLKQYADKLEFMHILTRVN 240
DB 181 DMACHKIPEVADFLYASTAGYYSWNSKDGSWFIQSLCMLKQYADKLEFMHILTRVN 240
QY 241 RKVATFEFSFSDATFPAKKQIPCIIVSMLTKELYFYH 277
DB 241 RKVATFEFSFSDATFPAKKQIPCIIVSMLTKELYFYH 277

RESULT 4
US-09-954-697-12
Sequence 12; Application US//09954697
Patent No. US20020106631A1
GENERAL INFORMATION:
APPLICANT: Alment, Ema S.
TITLE OF INVENTION: RECOMBINANT, ACTIVE CASPASES AND USES
FILE REFERENCE: 480140.431D2
CURRENT APPLICATION NUMBER: US/09/954,697
CURRENT FILING DATE: 2001-09-14
NUMBER OF SEQ ID NOS: 116
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 12
LENGTH: 277
TYPE: PRT
ORGANISM: Homo sapien
US-09-954-697-12

Query Match 99.8%; Score 1460; DB 10; Length 277;
Best Local Similarity 99.8%; Pred. No. 2.5e-143;
Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSKINLEPKIIGHSESDSGISLDSNYKMDYPEMGLCIINNNKQFHKSTG 60

Db 1 MENTENSVDKSIKNLEPKIIGHSEMSDGLSDNSYKMDYEMGLCIIINNNKPHKSTG 60
 QY 61 MTSRSGTDVDAANLRETFRNLYEVRANKNDLTREIYELMRDVSKEDESKRSSFVCVLLS 120
 Db 61 MTSRSGTDVDAANLRETFRNLYEVRANKNDLTREIYELMRDVSKEDESKRSSFVCVLLS 120
 QY 121 HGEEGIIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIQACRGTELDGCIETDSGYDD 180
 Db 121 HGEEGIIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIQACRGTELDGCIETDSGYDD 180
 QY 181 DMACHKIPVADFLVASTAPGYYSWRNSKDGSMFIOSLCAMLKOYADLSEMHILTRVN 240
 Db 181 DMACHKIPVADFLVASTAPGYYSWRNSKDGSMFIOSLCAMLKOYADLSEMHILTRVN 240
 QY 241 RKVATEFESFSDATFAHAKQIPICIIVSMLTKELYFYH 277
 Db 241 RKVATEFESFSDATFAHAKQIPICIIVSMLTKELYFYH 277

RESULT 5

US-09-851-873-98
 ; Sequence 98, Application US/09851873
 ; Publication No. US20030165488A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Klezzen, Rolf F
 ; APPLICANT: Reardon, Irene M
 ; APPLICANT: Weiland, Katherine L
 ; TITLE OF INVENTION: HUMAN CASPASE-12 MATERIALS AND METHODS
 ; FILE REFERENCE: 28341/0023
 ; CURRENT APPLICATION NUMBER: US/09/851,873
 ; CURRENT FILING DATE: 2001-05-08
 ; NUMBER OF SEQ ID NOS: 105
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 98
 ; LENGTH: 277
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-851-873-98

Query Match 99.8%; Score 1460; DB 12; Length 277;
 Best Local Similarity 99.6%; Pred. No. 2.5e-143;
 Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSIKNLEPKIIGHSEMSDGLSDNSYKMDYEMGLCIIINNNKPHKSTG 60
 Db 1 MENTENSVDKSIKNLEPKIIGHSEMSDGLSDNSYKMDYEMGLCIIINNNKPHKSTG 60
 QY 61 MTSRSGTDVDAANLRETFRNLYEVRANKNDLTREIYELMRDVSKEDESKRSSFVCVLLS 120
 Db 61 MTSRSGTDVDAANLRETFRNLYEVRANKNDLTREIYELMRDVSKEDESKRSSFVCVLLS 120
 QY 121 HGEEGIIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIQACRGTELDGCIETDSGYDD 180
 Db 121 HGEEGIIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIQACRGTELDGCIETDSGYDD 180
 QY 181 DMACHKIPVADFLVASTAPGYYSWRNSKDGSMFIOSLCAMLKOYADLSEMHILTRVN 240
 Db 181 DMACHKIPVADFLVASTAPGYYSWRNSKDGSMFIOSLCAMLKOYADLSEMHILTRVN 240
 QY 241 RKVATEFESFSDATFAHAKQIPICIIVSMLTKELYFYH 277
 Db 241 RKVATEFESFSDATFAHAKQIPICIIVSMLTKELYFYH 277

RESULT 6

US-10-280-670-5
 ; Sequence 5, Application US/10280670
 ; Publication No. US20030170812A1
 ; GENERAL INFORMATION:
 ; APPLICANT: JUAN, SHAO-CHIEH
 ; APPLICANT: FLETCHER, FREDERICK A.
 ; APPLICANT: PATTERSON, SCOTT D.
 ; TITLE OF INVENTION: INTERLEUKIN-1-BETA CONVERTING ENZYME LIKE CYSTEINE

; TITLE OF INVENTION: PROTEASE
 ; FILE REFERENCE: 06843-0019-01000
 ; CURRENT APPLICATION NUMBER: US/10/280,670
 ; CURRENT FILING DATE: 2002-10-24
 ; PRIOR APPLICATION NUMBER: 09/724,378
 ; PRIOR FILING DATE: 1996-10-01
 ; NUMBER OF SEQ ID NOS: 17
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 5
 ; LENGTH: 277
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-280-670-5

Query Match 99.8%; Score 1460; DB 12; Length 277;
 Best Local Similarity 99.6%; Pred. No. 2.5e-143;
 Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSIKNLEPKIIGHSEMSDGLSDNSYKMDYEMGLCIIINNNKPHKSTG 60
 Db 1 MENTENSVDKSIKNLEPKIIGHSEMSDGLSDNSYKMDYEMGLCIIINNNKPHKSTG 60
 QY 61 MTSRSGTDVDAANLRETFRNLYEVRANKNDLTREIYELMRDVSKEDESKRSSFVCVLLS 120
 Db 61 MTSRSGTDVDAANLRETFRNLYEVRANKNDLTREIYELMRDVSKEDESKRSSFVCVLLS 120
 QY 121 HGEEGIIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIQACRGTELDGCIETDSGYDD 180
 Db 121 HGEEGIIIFGTNGPVDLKKITNFRGDRCSLTGKPKLFIQACRGTELDGCIETDSGYDD 180
 QY 181 DMACHKIPVADFLVASTAPGYYSWRNSKDGSMFIOSLCAMLKOYADLSEMHILTRVN 240
 Db 181 DMACHKIPVADFLVASTAPGYYSWRNSKDGSMFIOSLCAMLKOYADLSEMHILTRVN 240
 QY 241 RKVATEFESFSDATFAHAKQIPICIIVSMLTKELYFYH 277
 Db 241 RKVATEFESFSDATFAHAKQIPICIIVSMLTKELYFYH 277

RESULT 7

US-10-368-438-30
 ; Sequence 30, Application US/10368438
 ; Publication No. US20030219411A1
 ; GENERAL INFORMATION:
 ; APPLICANT: David WALLACH
 ; Mark P. BOLDIN
 ; Yury V. GOLTSSEV
 ; Tanya M. GONCHAROV

TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
 AND OTHER PROTEINS

NUMBER OF SEQUENCES: 34
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Broadway and Nelmark
 STREET: 419 Seventh Street N.W., Ste. 300
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20004

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/368,438
 FILING DATE: 20-Feb-2003
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/983,502
 FILING DATE: 16-JAN-1998

APPLICATION NUMBER: PCT/US96/10521
 FILING DATE: 14-JUN-1996
 APPLICATION NUMBER: IL 114,615
 FILING DATE: 16-JUL-1995

APPLICATION NUMBER: IL 114,986
 FILING DATE: 17-AUG-1995
 APPLICATION NUMBER: IL 115,319
 FILING DATE: 14-SEP-1995
 APPLICATION NUMBER: IL 116,588
 FILING DATE: 27-DEC-1995
 APPLICATION NUMBER: IL 117,932
 FILING DATE: 16-APR-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Browdy, Roger L.
 REGISTRATION NUMBER: 25,618
 REFERENCE/DOCKET NUMBER: WALLACH=19
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 628-5197
 TELEFAX: (202) 737-3528
 INFORMATION FOR SEQ ID NO: 30:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 277 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 30:
 US-10-368-438-30

Query Match 99.8%; Score 1460; DB 12; Length 277;
 Best Local Similarity 99.6%; Pred. No. 2,5e-143;
 Matches 276; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDKSKIKLEPKIIHGSESDSGISLDSYKMDYPEMGLCIIINNNFKHSTG 60
 DB 1 MENTENSVDKSKIKLEPKIIHGSESDSGISLDSYKMDYPEMGLCIIINNNFKHSTG 60
 QY 61 MTSRSGTDVDAANIREFRNLKYEVRNKNDLTREIYELMRDYSKEDHSKRSSFVCLLS 120
 DB 61 MTSRSGTDVDAANIREFRNLKYEVRNKNDLTREIYELMRDYSKEDHSKRSSFVCLLS 120
 QY 121 HGEGLIFGTNGPVDLKKITNFRGDRCSLTGPKFLIIQACRGTELDGCIETDSGVD 180
 DB 121 HGEGLIFGTNGPVDLKKITNFRGDRCSLTGPKFLIIQACRGTELDGCIETDSGVD 180
 QY 181 DMACHKIPVADFLYASTAPGYYSWNSKDGSMFTQSLCAMLKQYADKLEFPHILTRVN 240
 DB 181 DMACHKIPVADFLYASTAPGYYSWNSKDGSMFTQSLCAMLKQYADKLEFPHILTRVN 240
 QY 241 RKVATEFESEFSDATFPAKKQIPCIIVSMLTKELYFYH 277
 DB 241 RKVATEFESEFSDATFPAKKQIPCIIVSMLTKELYFYH 277

RESULT 8
 US-10-155-567-4
 Sequence 4, Application US/10155567
 Publication No. US20030219421A1
 GENERAL INFORMATION:
 APPLICANT: CHISTAKOS, Sylvia
 TITLE OF INVENTION: CALBINDIN-D 28K PROTECTION AGAINST GLUCOCORTICOID INDUCED CELL DE
 FILE REFERENCE: 267/266
 CURRENT APPLICATION NUMBER: US/10/155,567
 CURRENT FILING DATE: 2002-05-23
 NUMBER OF SEQ ID NOS: 4
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 4
 LENGTH: 277
 TYPE: PRT
 ORGANISM: homomapiens
 US-10-155-567-4

Query Match 98.5%; Score 1441; DB 12; Length 277;
 Best Local Similarity 98.2%; Pred. No. 2.4e-141;
 Matches 272; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
 QY 1 MENTENSVDKSKIKLEPKIIHGSESDSGISLDSYKMDYPEMGLCIIINNNFKHSTG 60

DB 1 MENTENSVDKSKIKLEPKIIHGSESDSGISLDSYKMDYPEMGLCIIINNNFKHSTG 60
 QY 61 MTSRSGTDVDAANIREFRNLKYEVRNKNDLTREIYELMRDYSKEDHSKRSSFVCLLS 120
 DB 61 MTSRSGTDVDAANIREFRNLKYEVRNKNDLTREIYELMRDYSKEDHSKRSSFVCLLS 120
 QY 121 HGEGLIFGTNGPVDLKKITNFRGDRCSLTGPKFLIIQACRGTELDGCIETDSGVD 180
 DB 121 HGEGLIFGTNGPVDLKKITNFRGDRCSLTGPKFLIIQACRGTELDGCIETDSGVD 180
 QY 181 DMACHKIPVADFLYASTAPGYYSWNSKDGSMFTQSLCAMLKQYADKLEFPHILTRVN 240
 DB 181 DMACHKIPVADFLYASTAPGYYSWNSKDGSMFTQSLCAMLKQYADKLEFPHILTRVN 240
 QY 241 RKVATEFESEFSDATFPAKKQIPCIIVSMLTKELYFYH 277
 DB 241 RKVATEFESEFSDATFPAKKQIPCIIVSMLTKELYFYH 277

RESULT 9
 US-10-103-448-3
 Sequence 3, Application US/10103448
 Publication No. US20020155579A1
 GENERAL INFORMATION:
 APPLICANT: Krebs, Joseph F.
 APPLICANT: Srinivasan, Anu
 APPLICANT: Fritz, Lawrence C.
 APPLICANT: Wu, Joseph C.
 TITLE OF INVENTION: MEMBRANE DERIVED CASPASE-3, COMPOSITIONS
 FILE REFERENCE: 480140.468D1
 CURRENT APPLICATION NUMBER: US/10/103,448
 CURRENT FILING DATE: 2002-03-20
 NUMBER OF SEQ ID NOS: 7
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 3
 LENGTH: 264
 TYPE: PRT
 ORGANISM: Homo sapien
 US-10-103-448-3

Query Match 95.5%; Score 1397; DB 14; Length 264;
 Best Local Similarity 99.6%; Pred. No. 8.4e-137;
 Matches 263; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 14 KNLPEKIIHGSESDSGISLDSYKMDYPEMGLCIIINNNFKHSTGMSRSGTDVDAAN 73
 DB 1 KNLPEKIIHGSESDSGISLDSYKMDYPEMGLCIIINNNFKHSTGMSRSGTDVDAAN 60
 QY 74 LRETFRNLYKYEVRNKNDLTREIYELMRDYSKEDHSKRSSFVCLLSHGEGLIFGTNGP 133
 DB 74 LRETFRNLYKYEVRNKNDLTREIYELMRDYSKEDHSKRSSFVCLLSHGEGLIFGTNGP 120
 QY 134 VDLKKITNFRGDRCSLTGPKFLIIQACRGTELDGCIETDSGVDMDACHKIPVADFL 193
 DB 134 VDLKKITNFRGDRCSLTGPKFLIIQACRGTELDGCIETDSGVDMDACHKIPVADFL 180
 QY 194 LYASTAGYYSWNSKDGSMFTQSLCAMLKQYADKLEFPHILTRVNKKVATEFESEFSD 253
 DB 194 LYASTAGYYSWNSKDGSMFTQSLCAMLKQYADKLEFPHILTRVNKKVATEFESEFSD 240
 QY 254 ATFAKKQIPCIIVSMLTKELYFYH 277
 DB 254 ATFAKKQIPCIIVSMLTKELYFYH 264

RESULT 10
 US-10-108-929-3
 Sequence 3, Application US/10108929
 Publication No. US20020197702A1
 GENERAL INFORMATION:
 APPLICANT: Krebs, Joseph F.

/ APPLICANT: Srinivasan, Anu
 / APPLICANT: Fritz, Lawrence C.
 / APPLICANT: Wu, Joseph C.
 / TITLE OF INVENTION: MEMBRANE DERIVED CASPASE-3, COMPOSITIONS
 / TITLE OF INVENTION: COMPARING THE SAME AND METHODS OF USE THEREFOR
 / FILE REFERENCE: 480140, 46802
 / CURRENT APPLICATION NUMBER: US/10/108, 929
 / CURRENT FILING DATE: 2002-03-26
 / NUMBER OF SEQ ID NOS: 7
 / SOFTWARE: FastSeq for Windows Version 4.0
 / SEQ ID NO: 3
 / LENGTH: 264
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 / US-10-108-929-3
 Query Match 95.5%; Score 1397; DB 14; Length 264;
 Best Local Similarity 99.6%; Pred. No. 8 4e-137;
 Matches 263; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 14 KLEPKIIGSESMDSGISLDNSYKMDYPMGLCIIINNNKPHKSTGTSRSGTDVDAAN 73
 DB 1 KLEPKIIGSESMDSGISLDNSYKMDYPMGLCIIINNNKPHKSTGTSRSGTDVDAAN 60
 QY 74 LRETFNKLKYEVNKKNDLRETFVLELMRDVSKEDSKRSFVCVLLSHGEEGIIIFGTNGP 133
 DB 61 LRETFNKLKYEVNKKNDLRETFVLELMRDVSKEDSKRSFVCVLLSHGEEGIIIFGTNGP 120
 QY 134 VDLKKTITNFERGDRCSLTGKPKLFIIOACRGTELDGCIETSDGVDDMACHKIPVADP 193
 DB 121 VDLKKTITNFERGDRCSLTGKPKLFIIOACRGTELDGCIETSDGVDDMACHKIPVADP 180
 QY 194 LVAYSTAPGYSWRNSKDGSMFIOQLCAMLKQYADLEFMHILTRVNRKVATEPESFSD 253
 DB 181 LVAYSTAPGYSWRNSKDGSMFIOQLCAMLKQYADLEFMHILTRVNRKVATEPESFSD 240
 QY 254 ATEFAKKQIPCIIVSMULTKELYFYH 277
 DB 241 ATEFAKKQIPCIIVSMULTKELYFYH 264

RESULT 11
 US-09-809-905-2
 / Sequence 2, Application US/09809905
 / Patent No. US2002001806a1
 / GENERAL INFORMATION:
 / APPLICANT: Huang, Yuanhui
 / APPLICANT: Sun, Yi
 / APPLICANT: Wang, Kevin Ka-Wang
 / TITLE OF INVENTION: CASPASE-3S SPLICING VARIANT
 / FILE REFERENCE: U.S. Application A0000224
 / CURRENT APPLICATION NUMBER: US/09/809, 905
 / CURRENT FILING DATE: 2001-03-16
 / PRIOR APPLICATION NUMBER: 60/204, 468
 / PRIOR FILING DATE: 2000-05-16
 / NUMBER OF SEQ ID NOS: 5
 / SOFTWARE: PatentIn Ver. 2.1
 / SEQ ID NO: 2
 / LENGTH: 182
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 / US-09-809-905-2

Query Match 56.9%; Score 833; DB 9; Length 182;
 Best Local Similarity 100.0%; Pred. No. 2 1e-78;
 Matches 161; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENTENSVDSKSIKLEPKIIGSESMDSGISLDNSYKMDYPMGLCIIINNNKPHKSTG 60
 DB 1 MENTENSVDSKSIKLEPKIIGSESMDSGISLDNSYKMDYPMGLCIIINNNKPHKSTG 60
 QY 61 MTSRSGTDVDAANLRETFNKLKYEVNKKNDLRETFVLELMRDVSKEDSKRSFVCVLLS 120

DB 61 MTSRSGTDVDAANLRETFNKLKYEVNKKNDLRETFVLELMRDVSKEDSKRSFVCVLLS 120
 QY 121 HGEEGIIIFGTNGPVDLKKITNFERGDRCSLTGKPKLFIIO 161
 DB 121 HGEEGIIIFGTNGPVDLKKITNFERGDRCSLTGKPKLFIIO 161

RESULT 12
 US-10-214-932-110
 / Sequence 110, Application US/10214932
 / Publication No. US20030100707A1
 / GENERAL INFORMATION:
 / APPLICANT: HWANG, Inhwan
 / APPLICANT: KIM, Dae Heon
 / APPLICANT: LEE, Yong Jik
 / TITLE OF INVENTION: SYSTEM FOR DETECTING PROTEASE
 / FILE REFERENCE: APB02/US
 / CURRENT APPLICATION NUMBER: US/10/214, 932
 / CURRENT FILING DATE: 2002-08-08
 / NUMBER OF SEQ ID NOS: 133
 / SOFTWARE: PatentIn version 3.1
 / SEQ ID NO: 110
 / LENGTH: 147
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 / US-10-214-932-110

Query Match 52.7%; Score 771; DB 15; Length 147;
 Best Local Similarity 100.0%; Pred. No. 4 4e-72;
 Matches 147; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 29 SGISLDNSYKMDYPMGLCIIINNNKPHKSTGTSRSGTDVDAANLRETFNKLKYEVNKK 88
 DB 1 SGISLDNSYKMDYPMGLCIIINNNKPHKSTGTSRSGTDVDAANLRETFNKLKYEVNKK 60
 QY 89 NDLRETFVLELMRDVSKEDSKRSFVCVLLSHGEEGIIIFGTNGPVDLKKITNFERGDR 148
 DB 61 NDLRETFVLELMRDVSKEDSKRSFVCVLLSHGEEGIIIFGTNGPVDLKKITNFERGDR 120
 QY 149 RSLTGKPKLFIIOACRGTELDGCIETD 175
 DB 121 RSLTGKPKLFIIOACRGTELDGCIETD 147

RESULT 13
 US-10-214-932-112
 / Sequence 112, Application US/10214932
 / Publication No. US20030100707A1
 / GENERAL INFORMATION:
 / APPLICANT: HWANG, Inhwan
 / APPLICANT: KIM, Dae Heon
 / APPLICANT: LEE, Yong Jik
 / TITLE OF INVENTION: SYSTEM FOR DETECTING PROTEASE
 / FILE REFERENCE: APB02/US
 / CURRENT APPLICATION NUMBER: US/10/214, 932
 / CURRENT FILING DATE: 2002-08-08
 / NUMBER OF SEQ ID NOS: 133
 / SOFTWARE: PatentIn version 3.1
 / SEQ ID NO: 112
 / LENGTH: 102
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 / US-10-214-932-112

Query Match 37.7%; Score 551; DB 15; Length 102;
 Best Local Similarity 100.0%; Pred. No. 1 9e-49;
 Matches 102; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 176 SGVDDMACHKIPVADFLYASTAPGYSWRNSKDGSMFIOQLCAMLKQYADLEFMH 235
 DB 1 SGVDDMACHKIPVADFLYASTAPGYSWRNSKDGSMFIOQLCAMLKQYADLEFMH 60
 QY 236 LTRVNRKVATEPESFSDATEFAKKQIPCIIVSMULTKELYFYH 277

DB 61 LTRVNRKVAEFESFSDATFAKKOIPCVISLTLTETLYEH 102

RESULT 14
US-10-171-077-7
Sequence 7, Application US/10171077
Publication No. US20030022353A1
GENERAL INFORMATION:
APPLICANT: Litwack, Gerald
Altner, Emd S.
Fernandez-Altemir, Teresa

TITLE OF INVENTION: Mch2, AN APOPTOTIC CYSTEINE
PROTEASE,
AND COMPOSITIONS FOR MAKING AND
METHODS

NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:

ADDRESSEE: Woodcock, Washburn, Kultz, Mackiewicz &
No. US20030022353A1/15
STREET: One Liberty Place, 46th floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
FILING DATE: 12-Jun-2002
APPLICATION NUMBER: US/10/171,077
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/446,925
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: Deluca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TTU-1508
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439

INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 204 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 7:

US-10-171-077-7

Query Match 28.6%; Score 418.5; DB 15; Length 204;
Best Local Similarity 43.9%; Pred. No. 3.1e-35;
Matches 82; Conservative 29; Mismatches 63; Indels 13; Gaps 1;

DB 103 VSKEDHSKRSSFVCLLSHGEGIIIFGTNGPVDIKITNFPQDRCSLTGKPKLFIIOA 162
DB 14 VSTVSHADADFCVFLSHGEGNIIVADAKIEIQTLTGFKGKCHSLVGKPKRIFIIOA 73
QY 163 CRGTLEDCGI-----ETDSGVDDDMACHKIPEADFLVAYSTAPGYGMRMS 209
DB 74 CRGQHDVVPVPLPVDVNDQTEKLDITNTEVDASVTLPPAGADFLMYAEGYSHRET 133
QY 210 KDGSMFIQSLCAMLKQYADKLEFMHILTRVNRKVAEFESFSDATFAKKOIPCVISML 269
DB 134 VNGSMYIQDLCEMLGKXSSLEFTELLTVNRKVSQRVDVFCXDPKSAIGKKQVPCRSML 193
QY 270 TKELXYF 276
DB 194 TKKLHFF 200

RESULT 15
US-10-368-438-20

Sequence 20, Application US/10368438
Publication No. US2003021941A1
GENERAL INFORMATION:
APPLICANT: David WALLACH
Mark P. BOLDIN
Tanya M. GONCHAROV
Yury V. GOLITSEV

TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
AND OTHER PROTEINS

NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:

ADDRESSEE: Broadway and Newark
STREET: 419 Seventh Street N.W., Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/368,438
FILING DATE: 20-Feb-2003

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/983,502
FILING DATE: 16-JAN-1998

APPLICATION NUMBER: PCT/US96/10521
FILING DATE: 14-JUN-1996
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995

APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995

APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996

ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH=19
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-3528

INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 266 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 20:

US-10-368-438-20

Query Match 23.4%; Score 342.5; DB 12; Length 266;
Best Local Similarity 38.0%; Pred. No. 3.6e-27;
Matches 81; Conservative 42; Mismatches 73; Indels 17; Gaps 6;

DB 74 LRFTRNKKYVRKNDLREIYELMRDVSXEDHSKRSSFVCLLSHGEGIIIFGTNG- 132
DB 57 LTTPEELHFEIKPHDDCYEQIYELIKIYQMLDHSMDGFCILSHGKGIITGDSQ 116
QY 133 PVDLKKITNFRGDRCSLTGKPKLFIIOACRGTELDGCI--ETDSG---VDDMACHK 166
DB 117 EAPIYELTSQFTGLKCPSLAGKPKVFFIQACQGNQYKGIPEFTDSEQYLEMDSSPQ 176
QY 187 ---IPVADFLIYASTAGYISWRNSRDSGSMFIQSLCAMLKQYADK-LRFMHLITRNRK 242

Db	177	TRYIPDEADFLIGMAYNNVCVSYRNPAGEIWIQSLCOSLRERCRGGDILITLLEWYIE	236
Qy	243	VATEPESFSDATPHAKQIPCIIVSMITRELYE	275
Db	237	VSNN-----DDKNNMGKQMPQPTFLRKLYE	263

Search completed: December 29, 2003, 16:41:45
 Job time : 37 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 30, 2003, 06:28:12 ; Search time 32 Seconds

(without alignments) 1878.227 Million cell updates/sec

Title: US-09-895-263b-2_COPY_2_303

Perfect score: 1609

Sequence: 1 ADDOCIEGQGVSDSANDS.....EKKQICVSMUTKELYSQ 302

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 724715 seqs, 199017464 residues

462917

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 302

Database:

Published Applications_AA*
1: /cgn2_6/prodata/2/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/prodata/2/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/prodata/2/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/prodata/2/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/prodata/2/pubpaa/US07_NEW_PUB.pep.*
6: /cgn2_6/prodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
7: /cgn2_6/prodata/2/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/prodata/2/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/prodata/2/pubpaa/US09_PUBCOMB.pep.*
10: /cgn2_6/prodata/2/pubpaa/US09_PUBCOMB.pep.*
11: /cgn2_6/prodata/2/pubpaa/US09_NEW_PUB.pep.*
12: /cgn2_6/prodata/2/pubpaa/US09_PUBCOMB.pep.*
13: /cgn2_6/prodata/2/pubpaa/US10_PUBCOMB.pep.*
14: /cgn2_6/prodata/2/pubpaa/US10_PUBCOMB.pep.*
15: /cgn2_6/prodata/2/pubpaa/US10_NEW_PUB.pep.*
16: /cgn2_6/prodata/2/pubpaa/US10_NEW_PUB.pep.*
17: /cgn2_6/prodata/2/pubpaa/US60_NEW_PUB.pep.*
18: /cgn2_6/prodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	778.5	48.4	253	15	US-10-198-070-28
2	719	44.7	277	9	US-09-895-263-4
3	719	44.7	277	15	US-10-214-932-108
4	719	44.7	277	15	US-10-207-655-202
5	717	44.6	277	12	US-10-155-567-4
6	716	44.5	277	10	US-09-954-697-3
7	716	44.5	277	12	US-09-851-873-98
8	716	44.5	277	12	US-10-280-670-5
9	716	44.5	277	12	US-10-368-438-30
10	714.5	44.4	264	14	US-10-103-448-3
11	714.5	44.4	264	14	US-10-108-929-3
12	474	29.5	293	10	US-09-954-697-21
13	466	29.0	293	12	US-09-851-873-99
14	466	29.0	293	12	US-10-280-670-6
15	466	29.0	293	12	US-10-368-438-31

16	466	29.0	293	15	US-10-171-077-5	Sequence 5, Appli
17	426.5	26.5	286	9	US-09-862-915-1	Sequence 1, Appli
18	386	24.6	204	15	US-10-171-077-7	Sequence 7, Appli
19	389	24.2	220	10	US-09-954-697-34	Sequence 34, Appli
20	387	24.1	285	10	US-09-954-697-35	Sequence 35, Appli
21	384	23.9	147	15	US-10-214-932-110	Sequence 110, App
22	357	22.2	266	12	US-10-368-438-20	Sequence 20, Appli
23	336	20.9	102	15	US-10-214-932-112	Sequence 112, App
24	335	20.7	182	9	US-09-809-905-2	Sequence 2, Appli
25	321.5	20.0	177	9	US-09-864-761-48728	Sequence 48728, A
26	300	18.6	133	9	US-09-864-761-47950	Sequence 47950, A
27	264	16.4	52	10	US-09-989-903-40	Sequence 40, Appli
28	264	16.4	52	15	US-10-068-564-40	Sequence 36, Appli
29	263	16.3	300	10	US-09-954-697-36	Sequence 36, Appli
30	259	16.1	81	10	US-09-989-903-35	Sequence 35, Appli
31	259	16.1	81	15	US-10-068-564-35	Sequence 35, Appli
32	256	15.9	242	9	US-09-764-803A-24	Sequence 24, Appli
33	256	15.9	242	9	US-09-845-028-9	Sequence 9, Appli
34	253	15.7	242	9	US-09-845-028-2	Sequence 2, Appli
35	253	15.7	242	12	US-09-851-873-105	Sequence 105, App
36	251.5	15.6	257	10	US-09-764-803A-2	Sequence 2, Appli
37	251.5	15.6	260	15	US-10-068-564-2	Sequence 2, Appli
38	251.5	15.6	260	10	US-09-989-903-4	Sequence 4, Appli
39	250	15.5	229	9	US-09-764-803A-4	Sequence 4, Appli
40	250	15.5	242	10	US-09-989-903-5	Sequence 5, Appli
41	250	15.5	242	15	US-10-068-564-5	Sequence 5, Appli
42	245	15.2	51	10	US-09-989-903-41	Sequence 41, Appli
43	245	15.2	51	15	US-10-068-564-41	Sequence 41, Appli
44	210	13.1	47	10	US-09-989-903-36	Sequence 36, Appli
45	210	13.1	47	15	US-10-068-564-36	Sequence 36, Appli

ALIGNMENTS

US-10-198-070-28
Sequence 28, Application US/10198070
Publication No. US20030109437A1
GENERAL INFORMATION:
APPLICANT: AVERBACH, PAUL
TITLE OF INVENTION: PEPTIDES EFFECTIVE IN THE TREATMENT OF TUMORS AND OTHER
TITLE OF INVENTION: CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
FILE REFERENCE: 5903.000008
CURRENT APPLICATION NUMBER: US/10/198,070
CURRENT FILING DATE: 2002-07-19
PRIOR APPLICATION NUMBER: 60/306,161
PRIOR FILING DATE: 2001-07-19
PRIOR APPLICATION NUMBER: 60/306,150
PRIOR FILING DATE: 2001-07-19
PRIOR APPLICATION NUMBER: 60/331,477
PRIOR FILING DATE: 2001-11-16
NUMBER OF SEQ ID NOS: 125
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 28
LENGTH: 253
TYPE: PRT
ORGANISM: Homo sapiens
US-10-198-070-28
Query Match
Best Local Similarity 63.1%; Pred. No. 1.7e-73;
Matches 169; Conservative 7; Mismatches 39; Indels 53; Gaps 6;
QY 1 ADDOCIEGQGVSDSANDSVDAPKDPSSFPVSLFSKXKXVTRSIKTRDRVPTQYN 60
DB 2 ADDOCIEGQGVSDSANDSVDAPKDPSSFPVSLFSKXKXVTRSIKTRDRVPTQYN 61
QY 61 MNFELGKCIILNNKPNFKYTGWGVNCTDKDAELFCRSLGFDVIYVNDSCAKMD 120
DB 62 MNFELGKCIILNNKPNFKYTGWGVNCTDKDAELFCRSLGFDVIYVNDSCAKMD 121

QY 121 LKKAASEDHNAACFACILSHGENVYVYKGVTPFKDLTAHFRDRCXT----- 172
 DB 122 LKKAASEDHNAACFACILSHGENVYVYKGVTPFKDLTAHFRDRCXT----- 172
 QY 173 -----LLEKXLEFI-OACRGTELDADIAQAD-----SGPINDDANPRYK 211
 DB 163 DLGRLOPPPPRLAEGPSLMAASRPGRGSMYOMLIDTRSQMKLTSSSPFIRPQAIRGG 222
 QY 212 IPVADFLFAYSTVPGYYSRSPGRGSM 239
 DB 223 AQEAPGL-----CKFSAPSRRSTK-TW 245

RESULT 2

US-09-895-263-4
 ; Sequence 4, Application US/09895263
 ; Patent No. US20020076793A1
 ; GENERAL INFORMATION:
 ; APPLICANT: He, Wei-Mu et al.
 ; TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme
 ; NUMBER OF SEQUENCES: 12
 ; CORRESPONDENCE ADDRESSES:
 ; ADDRESS: Human Genome Sciences, Inc.
 ; STREET: 9410 Key West Ave.
 ; CITY: Rockville
 ; STATE: MD
 ; COUNTRY: USA
 ; ZIP: 20850
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/895,263
 ; FILING DATE: 02-Jul-2001
 ; CLASSIFICATION: <Unknown>
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: <Unknown>
 ; FILING DATE: <Unknown>
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Jonathan L. Klein
 ; REGISTRATION NUMBER: 41,119
 ; REFERENCE/DOCKET NUMBER: PFI40
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 301-251-6015
 ; TELEFAX: 301-309-8439
 ; INFORMATION FOR SEQ ID NO: 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 277 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
 US-09-895-263-4

Query Match 44.7%; Score 719; DB 9; Length 277;
 Best Local Similarity 50.9%; Pred. No. 3.6e-67;
 Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;
 QY 18 EDSVDAKDRSSFFVSLFSKKKAVTMSITKTRDVPVLYQNNKFEKLCIINKNF 77
 DB 5 ENSVDSKSIK-NLEKIIHGSEMSDGLSDNS-----YKNDYPMGICLIINKNF 55
 QY 78 DRYTGMGVNNGTDKDAEALFKCFRSLGFDVIVYNDSCAKKQDLLKKAASEDHNAACFA 137
 DB 56 HKSTGWTSGTGDVAANLRETFRLKYEVRNKNDLTREELVEIMRDVSKEDHSKSSSFV 115
 QY 138 CILSHGENVYVYKGVTPFKDLTAHFRDRCXTLLEKXLEFI-OACRGTELDADIAQAD 197

DB 116 CVLLSHGEGIIFGTNGPVDLTKITNFRDRCRSLTGKPKLFIQACRGTELDGIEYTD 175
 QY 198 GSPINDDANPRYKIPVADFLFAYSTVPGYYSRSPGRGSMFYQALCSILEHKKOLEI 257
 DB 176 SGVDDDMAC--HKIPVADFLFAYSTVPGYYSRSPGRGSMFYQALCSILEHKKOLEI 232
 QY 258 MQLTRVNDVRAHFEESQSDPHFEKKQICVYVSMILTKELYF 300
 DB 233 MQLTRVNRKVAATEFESFSPATFHAKQICVYVSMILTKELYF 275

RESULT 3

US-10-214-932-108
 ; Sequence 108, Application US/10214932
 ; Publication No. US20030100707A1
 ; GENERAL INFORMATION:
 ; APPLICANT: HWANG, Inhan
 ; APPLICANT: KIM, Dae Heon
 ; APPLICANT: LEE, Yong Jik
 ; TITLE OF INVENTION: SYSTEM FOR DETECTING PROTEASE
 ; FILE REFERENCE: APB02/US
 ; CURRENT APPLICATION NUMBER: US/10/214,932
 ; CURRENT FILING DATE: 2002-08-08
 ; NUMBER OF SEQ ID NOS: 133
 ; SOFTWARE: Patent in version 3.1
 ; SEQ ID NO 108
 ; LENGTH: 277
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-214-932-108

Query Match 44.7%; Score 719; DB 15; Length 277;
 Best Local Similarity 50.9%; Pred. No. 3.6e-67;
 Matches 144; Conservative 49; Mismatches 78; Indels 12; Gaps 3;

QY 18 EDSVDAKDRSSFFVSLFSKKKAVTMSITKTRDVPVLYQNNKFEKLCIINKNF 77
 DB 5 ENSVDSKSIK-NLEKIIHGSEMSDGLSDNS-----YKNDYPMGICLIINKNF 55
 QY 78 DRYTGMGVNNGTDKDAEALFKCFRSLGFDVIVYNDSCAKKQDLLKKAASEDHNAACFA 137
 DB 56 HKSTGWTSGTGDVAANLRETFRLKYEVRNKNDLTREELVEIMRDVSKEDHSKSSSFV 115
 QY 138 CILSHGENVYVYKGVTPFKDLTAHFRDRCXTLLEKXLEFI-OACRGTELDADIAQAD 197
 DB 116 CVLLSHGEGIIFGTNGPVDLTKITNFRDRCRSLTGKPKLFIQACRGTELDGIEYTD 175
 QY 198 GSPINDDANPRYKIPVADFLFAYSTVPGYYSRSPGRGSMFYQALCSILEHKKOLEI 257
 DB 176 SGVDDDMAC--HKIPVADFLFAYSTVPGYYSRSPGRGSMFYQALCSILEHKKOLEI 232
 QY 258 MQLTRVNDVRAHFEESQSDPHFEKKQICVYVSMILTKELYF 300
 DB 233 MQLTRVNRKVAATEFESFSPATFHAKQICVYVSMILTKELYF 275

RESULT 4

US-10-207-655-202
 ; Sequence 202, Application US/10207655
 ; Publication No. US20030118592A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ledbetter, Jeffrey A.
 ; APPLICANT: Hayden-Ledbetter, Martha S.
 ; TITLE OF INVENTION: BINDING DOMAIN-IMMUNOGLOBULIN FUSION PROTEINS
 ; FILE REFERENCE: 390069, 401C1
 ; CURRENT APPLICATION NUMBER: US/10/207,655
 ; CURRENT FILING DATE: 2002-07-25
 ; NUMBER OF SEQ ID NOS: 426
 ; SOFTWARE: Patent in version 3.0
 ; SEQ ID NO 202
 ; LENGTH: 277
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens

Page 4

TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
AND OTHER PROTEINS
NUMBER OF SEQUENCES: 34

[illegible]

RESULT 10

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US-10-103-448-3
; Sequence 3, Application US/10103448
; Publication No. US20020155579A1
; GENERAL INFORMATION:
; APPLICANT: Krebs, Joseph F.
; APPLICANT: Srinivasan, Anu
; APPLICANT: Filtz, Lawrence C.
; APPLICANT: Wu, Joseph C.
; TITLE OF INVENTION: MEMBRANE DERIVED CASPASE-3, COMPOSITIONS
; TITLE OF INVENTION: COMPRISING THE SAME AND METHODS OF USE THEREFOR
; FILE REFERENCE: 480140.468D1
; CURRENT APPLICATION NUMBER: US/10/103,448
; CURRENT FILING DATE: 2002-03-20
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 264
; TYPE: prt
; ORGANISM: Homo sapien
US-10-103-448-3

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Db	24	YKNDYDEMGUCIIINNNKFFKSTGTGTSAGDVDPANLRETFNRLKLEVRNKKDILTEEI	83
Qy	119	QDLIKKASEEDHTNNAACFACILLSHGEENVYKSGDGVTPIKDLTAHERGDRCKTLLKPK	178
Db	84	VELMRVSSSEDSKSSSFVCVLLSHGEEGIIIFGTNGPVDELKILNPFRRGRCSLTGKPK	143
Qy	179	LFEIQACRSTEDDDAICADSGCHINTDANPKYKIPVADLFYASTVPGYYSRSPGCS	238
Db	144	LFPIQACRSTEDDGCIEHDSGVDQDMAC--HKIPVADFLYASTAPGYYSRNSXGDS	200
Qy	239	WFYQALCSTLEEGKDLFEMQILFRVNDVRVAHRESQSDPHEFEKQICPVVSMILTKEL	298
Db	201	WFQSCALNKKYADKLEFHFILIRVNRKVALEESSTFSQDTPFAKKQICISVSMILTKEL	260
Qy	299	YF 300	
Db	261	YF 262	

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?      1196:  EX1
?      ORGANISM:  Homo sapien
US-10-108-929-3

Query Match      44.4%;  Score 714.5;  DB 14;  Length 264;
      Query Similarity 56.2%;  Pred. No. 9,9e-67;
      Matches 136;  Conservative 41;  Mismatches 63;  Indels 3;  Gaps 1;

QY      59  YNNNFELTKRCIIINNKNFEDKVTGMGRNGCTDKAEALFKFRSLGPDVITYINDSCAKM 118

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RESULT 13
US-09-851-873-99
; Sequence 99, Application US/09851873
; Publication No. US20030165488A1
; GENERAL INFORMATION:
; APPLICANT: Kiersten, Rolf F
; APPLICANT: Reardon, Ilene M
; APPLICANT: Weiland, Katherine L
; TITLE OF INVENTION: HUMAN CASPASE-12 MATERIALS AND METHODS

```

FILE REFERENCE: 28341/00233
 CURRENT APPLICATION NUMBER: US/09/851,873
 CURRENT FILING DATE: 2001-05-08
 NUMBER OF SEQ. ID NOS: 105
 SOFTWARE: PatentIn Ver. 2.0
 SEQ. ID NO: 98
 LENGTH: 293
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-851-873-99

Query Match 29.0%; Score 466; DB 12; Length 293;
 Best Local Similarity 37.9%; Pred. No. 1.8e-40;
 Matches 97; Conservative 42; Mismatches 107; Indels 10; Gaps 1;

QY 55 PTGYNNNFETKQKCIINNKNFDTGKVGVRNGTDKDAEALFKCFRSLGFDVIVYNDGS 114
 DB 33 PAEKYMDHRRRGIALIFNHERFWHLTPERRRTCADRDNLTRSDLGFEVKCFNDLK 92
 QY 115 CAGMDDLKKAASEEDTNAACFACILSHGSENVYKDGVTPIKDLNHFGRDCKTL 174
 DB 93 AEBLLKIHSEVSVSHADACFCVFLSHGEGNHIAYDAKIEIQTLTGLFPGDKCHSLV 152
 QY 175 EKPKLFPIQACRGTE-----LDDAIQADSGPINDTDANPRKIPVEADFLFAVST 224
 DB 153 GKXKFIILQACRGNQHDVPIPLDVVDNQTETKLDNTITEVDASVTLTPAGADFLMCYSV 212
 QY 225 VEGYYSWRSPRGSGWVQALCSLIEHGKDEIMQILTRVNDRAVAFHESQSDPFHEK 284
 DB 213 AEGYSHRETVNGSWYIQLCEMLGKXGSSLEFTELLTVNRKVSORRVDFCKDPSAIGK 272
 QY 285 KOIPCVSMLTKEYL 300
 DB 273 KOVPCFASMLTKLHF 288

RESULT 14
 US-10-280-670-6
 Sequence 6, Application US/10280670
 Publication No. US20030170612A1
 GENERAL INFORMATION:

APPLICANT: JUAN, SHAO-CHIEH
 APPLICANT: FLETCHER, FREDERICK A.
 APPLICANT: PATTERSON, SCOTT D.
 TITLE OF INVENTION: INTERLEUKIN 1-BETA CONVERTING ENZYME LIKE CYSTEINE
 TITLE OF INVENTION: PROTEASE
 FILE REFERENCE: 06843-0019-01000
 CURRENT APPLICATION NUMBER: US/10/280,670
 CURRENT FILING DATE: 2002-10-24
 PRIOR APPLICATION NUMBER: 08/724,378
 PRIOR FILING DATE: 1996-10-01
 NUMBER OF SEQ. ID NOS: 17
 SOFTWARE: PatentIn Ver. 2.1
 SEQ. ID NO: 6
 LENGTH: 293
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-280-670-6

Query Match 29.0%; Score 466; DB 12; Length 293;
 Best Local Similarity 37.9%; Pred. No. 1.8e-40;
 Matches 97; Conservative 42; Mismatches 107; Indels 10; Gaps 1;

QY 55 PTGYNNNFETKQKCIINNKNFDTGKVGVRNGTDKDAEALFKCFRSLGFDVIVYNDGS 114
 DB 33 PAEKYMDHRRRGIALIFNHERFWHLTPERRRTCADRDNLTRSDLGFEVKCFNDLK 92
 QY 115 CAGMDDLKKAASEEDTNAACFACILSHGSENVYKDGVTPIKDLNHFGRDCKTL 174
 DB 93 AEBLLKIHSEVSVSHADACFCVFLSHGEGNHIAYDAKIEIQTLTGLFPGDKCHSLV 152
 QY 175 EKPKLFPIQACRGTE-----LDDAIQADSGPINDTDANPRKIPVEADFLFAVST 224

DB 153 GKXKFIILQACRGNQHDVPIPLDVVDNQTETKLDNTITEVDASVTLTPAGADFLMCYSV 212
 QY 225 VEGYYSWRSPRGSGWVQALCSLIEHGKDEIMQILTRVNDRAVAFHESQSDPFHEK 284
 DB 213 AEGYSHRETVNGSWYIQLCEMLGKXGSSLEFTELLTVNRKVSORRVDFCKDPSAIGK 272
 QY 285 KOIPCVSMLTKEYL 300
 DB 273 KOVPCFASMLTKLHF 288

RESULT 15
 US-10-368-438-31
 Sequence 31, Application US/10368438
 Publication No. US20030219411A1
 GENERAL INFORMATION:

APPLICANT: DAVID WALLACH
 Mark P. BOLDIN
 Tanya M. GONCHAROV
 Yury V. GOLTSSEV
 TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
 AND OTHER PROTEINS
 NUMBER OF SEQUENCES: 34
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Broadway and Nelmark
 STREET: 419 Seventh Street N.W., Ste. 300
 CITY: Washington
 STATE: D. C.
 COUNTRY: USA
 ZIP: 20004

COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/368,438
 FILING DATE: 20-Feb-2003

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/983,502
 FILING DATE: 16-Jan-1998
 APPLICATION NUMBER: PCT/US96/10521
 FILING DATE: 14-JUN-1996
 APPLICATION NUMBER: IL 114,615
 FILING DATE: 16-JUL-1995
 APPLICATION NUMBER: IL 114,986
 FILING DATE: 17-AUG-1995
 APPLICATION NUMBER: IL 115,319
 FILING DATE: 14-SEP-1995
 APPLICATION NUMBER: IL 116,588
 FILING DATE: 27-DEC-1995
 APPLICATION NUMBER: IL 117,932
 FILING DATE: 16-APR-1996

ATTORNEY/AGENT INFORMATION:
 NAME: Browdy, Roger L.
 REGISTRATION NUMBER: 25,618
 REFERENCE/DOCKET NUMBER: WALLACH=19
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 628-5197
 TELEFAX: (202) 737-3528
 INFORMATION FOR SEQ. ID NO. 31:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 293 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ. ID NO: 31:
 US-10-368-438-31

Query Match 29.0%; Score 466; DB 12; Length 293;
 Best Local Similarity 37.9%; Pred. No. 1.8e-40;
 Matches 97; Conservative 42; Mismatches 107; Indels 10; Gaps 1;

QY 55 PTYQVNMFEKLGKCIINNNKPNFVKGVRNGTQKDAEALFKCFRSLGPDVIYVNDCS 114
Db 33 FAEKYKMDHRRRGIALIFNHERFWMHLTLPERRRTOADRDNLTRRFSDLGFEVCKCFNDLK 92
QY 115 CAKMODLLKASEEDHTNACFACILLSHGENVIYKDGVTPIKDLTAHFRGDRCKTLL 174
Db 93 ABELLKTHVSTVSHADADCFVCFVLSHGEGNHIYADAKIEIOTLTGLFRGDKCHSLV 152
QY 175 EKPCLFFIOACRGTE-----LDDAIQADSGFINDTDANPRYKIPVEADPLFAYST 224
Db 153 GPKIFIIQACRGNDVPIPLDVADNQTERTNITEVDAASYTLPAAGADFLMCYSV 212
QY 225 VPGYYSWRSPPRGSMFVOALGSIIEHKGDLIMQILTRVNDRVARHRESQSDPHFHEK 284
Db 213 AEGYISHRETVNGSVIYODLCEMLGKYGSSLEFTELLTVNRKVSQRVRVDFCKDPSAIGK 272
QY 285 KOIPCVSMITRELYF 300
Db 273 KOVPCFASMLTKLHF 288

Search completed: December 30, 2003, 06:45:02
Job time : 33 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 29, 2003, 16:37:19, Search time 21 Seconds

(without alignments)
556,086 Million cell updates/sec

Title: US-09-895-263b-4_COPY_2_277
Sequence: 1 ENTENSVDSSIKLEPKII.....AKQIPGVMLTKELYFHH 276

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Gapop 10.0, Gapext 0.5

Searched: 328717 seqs, 42110858 residues

Total number of hits satisfying chosen parameters: 277460

Minimum DB seq length: 0
Maximum DB seq length: 276

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Issued Patents AA.*
1: /cgn2_6/pdata/1/1aa/5A.COMB.pep.*
2: /cgn2_6/pdata/1/1aa/5B.COMB.pep.*
3: /cgn2_6/pdata/1/1aa/6A.COMB.pep.*
4: /cgn2_6/pdata/1/1aa/6B.COMB.pep.*
5: /cgn2_6/pdata/1/1aa/6C.COMB.pep.*
6: /cgn2_6/pdata/1/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	761	52.2	148	3	US-08-964-308-11 Sequence 11, Appl
2	761	52.2	148	3	US-08-964-313-11 Sequence 11, Appl
3	761	52.2	148	4	US-09-069-138-11 Sequence 11, Appl
4	418.5	28.7	204	1	US-08-446-925-7 Sequence 7, Appl
5	418.5	28.7	204	2	US-08-146-331-7 Sequence 7, Appl
6	418.5	28.7	204	2	US-08-886-885-7 Sequence 7, Appl
7	418.5	28.7	204	4	US-09-375-256-7 Sequence 7, Appl
8	418.5	28.7	204	4	US-09-376-156-7 Sequence 7, Appl
9	342.5	23.5	266	4	US-08-983-502-20 Sequence 20, Appl
10	342.5	23.5	266	4	US-09-516-747-20 Sequence 20, Appl
11	342.5	23.5	266	5	PCT-US96-10521-20 Sequence 20, Appl
12	298	20.4	203	3	US-08-852-936C-4 Sequence 4, Appl
13	298	20.4	203	3	US-09-300-328-4 Sequence 4, Appl
14	274	18.8	260	4	US-09-187-789-2 Sequence 2, Appl
15	274	18.8	260	4	US-09-139-600-2 Sequence 2, Appl
16	273.5	18.8	260	4	US-09-187-789-5 Sequence 5, Appl
17	250	17.1	51	4	US-09-187-789-34 Sequence 34, Appl
18	250	17.1	51	4	US-09-139-600-29 Sequence 29, Appl
19	239	16.4	58	4	US-09-187-789-27 Sequence 27, Appl
20	239	16.4	58	4	US-09-139-600-22 Sequence 22, Appl
21	229.5	15.7	214	4	US-09-187-789-9 Sequence 9, Appl
22	217	14.9	42	4	US-09-187-789-33 Sequence 33, Appl
23	217	14.9	42	4	US-09-139-600-28 Sequence 28, Appl
24	205.5	14.1	230	4	US-08-394-189B-22 Sequence 22, Appl
25	204.5	14.0	230	4	US-09-187-789-7 Sequence 7, Appl
26	191	13.1	39	4	US-09-187-789-30 Sequence 30, Appl
27	191	13.1	39	4	US-09-139-600-25 Sequence 25, Appl

28	190	13.0	47	4	US-09-187-789-28 Sequence 28, Appl
29	190	13.0	47	4	US-09-139-600-23 Sequence 23, Appl
30	182	12.5	263	2	US-08-391-916A-8 Sequence 8, Appl
31	177	12.1	52	4	US-09-187-789-40 Sequence 40, Appl
32	177	12.1	52	4	US-09-139-600-35 Sequence 35, Appl
33	157.5	10.8	131	2	US-08-394-189B-21 Sequence 21, Appl
34	157	10.8	51	4	US-09-187-789-41 Sequence 41, Appl
35	157	10.8	51	4	US-09-139-600-36 Sequence 36, Appl
36	141	9.7	28	4	US-09-139-600-29 Sequence 29, Appl
37	141	9.7	28	4	US-09-139-600-24 Sequence 24, Appl
38	138	9.5	39	4	US-09-187-789-38 Sequence 38, Appl
39	138	9.5	39	4	US-09-139-600-33 Sequence 33, Appl
40	136.5	9.4	187	2	US-08-189B-25 Sequence 25, Appl
41	135.5	9.3	171	3	US-08-258-287B-40 Sequence 40, Appl
42	133.5	9.2	41	3	US-09-257-218-11 Sequence 11, Appl
43	133.5	9.2	41	3	US-09-311-760-11 Sequence 11, Appl
44	133.5	9.2	41	4	US-08-865-579-11 Sequence 11, Appl
45	133.5	9.2	41	4	US-10-059-749-11 Sequence 11, Appl

ALIGNMENTS

RESULT 1
US-08-964-308-11
Sequence 11, Application US/08964308

Patent No. 6066715

GENERAL INFORMATION:

APPLICANT: DESMARAIS, SYLVIE

APPLICANT: FRIESEN, RICHARD

APPLICANT: ZAMBONI, ROBERT

TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE

TITLE OF INVENTION: BINDING ASSAY

NUMBER OF SEQUENCES: 15

CORRESPONDENCE ADDRESS:

ADDRESS: ROBERT J. NORTH - MERCK & CO., INC.

STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000

CITY: RAHWAY

STATE: NJ

COUNTRY: USA

ZIP: 07065

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy Diskette

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/964,308

FILING DATE: 04-NOV-1996

CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:

NAME: NORTH, ROBERT J

REGISTRATION NUMBER: 27,366

REFERENCE/DOCKET NUMBER: 19840 PCT

TELECOMMUNICATION INFORMATION:

TELEPHONE: 732-594-7262

TELEFAX: 732-594-4720

TELEX:

INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:

LENGTH: 148 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-964-308-11

Query Match 52.2%, Score 761, DB 3, Length 148;
Best Local Similarity 99.3%, Pred. No. 2, 7e-80;
Matches 146, Conservative 0, Mismatches 1, Indels 0, Gaps 0;
CY 28 GGLDLSYKDDYKPKNGLCIIINKNKHSTGWTSSGTDVDANLRETFRNKLYEVNRK 67

Db 2 SGISLDSNYSKMDYPMKGLCTIINNKNFHSTGMSRSCTDVAANLRETFRNKYEVRNK 61
QY 88 NDLTREIEVELMDVSKEDHSKRSFVCLLSHGEGLIFGTNGPVDLKITNFFRGDRC 147
Db 62 NDLTREIEVELMDVSKEDHSKRSFVCLLSHGEGLIFGTNGPVDLKITNFFRGDRC 121
QY 148 RSLTGKPKLFIIOACRGTELDGIEFD 174
Db 122 RSLTGKPKLFIIOASRGTELDGIEFD 148

RESULT 2

US-08-964-313-11
Sequence 11, Application US/08964313
Patent No. 6114132

GENERAL INFORMATION:

APPLICANT: DESMARAIS, SYLVIE
APPLICANT: FRIESEN, RICHARD
APPLICANT: GRESSER, MICHAEL
APPLICANT: KENNEDY, BRIAN
APPLICANT: NICHOLSON, DONALD
APPLICANT: RAMACHANDRAN, CHIDAMBARAN
APPLICANT: SKOREY, KATHRYN
APPLICANT: FORD-HOTCHINSON, ANTHONY
TITLE OF INVENTION: PHOSPHATASE BINDING ASSAY
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.
STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
CITY: RAHWAY
STATE: NJ
COUNTRY: USA
ZIP: 07065

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS

SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/964,313
FILING DATE: 04-NOV-1997
CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/030,408
FILING DATE: 04-NOV-1996
APPLICATION NUMBER: PCT/CA97/00825

ATTORNEY/AGENT INFORMATION:

NAME: DURETTE, PHILIPPE L.
REGISTRATION NUMBER: 35,125
REFERENCE/DOCKET NUMBER: 19824Y
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-4568
TELEFAX: 732-594-4720
TELEX:

INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:
LENGTH: 148 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-964-313-11

Query Match 52.2%; Score 761; DB 3; Length 148;
Best Local Similarity 99.3%; Pred. No. 2.7e-80;

Matches 146; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 28 SGISLDSNYSKMDYPMKGLCTIINNKNFHSTGMSRSCTDVAANLRETFRNKYEVRNK 87
Db 2 SGISLDSNYSKMDYPMKGLCTIINNKNFHSTGMSRSCTDVAANLRETFRNKYEVRNK 61
QY 88 NDLTREIEVELMDVSKEDHSKRSFVCLLSHGEGLIFGTNGPVDLKITNFFRGDRC 147

Db 62 NDLTREIEVELMDVSKEDHSKRSFVCLLSHGEGLIFGTNGPVDLKITNFFRGDRC 121
QY 148 RSLTGKPKLFIIOACRGTELDGIEFD 174
Db 122 RSLTGKPKLFIIOASRGTELDGIEFD 148

RESULT 3

US-09-069-138-11
Sequence 11, Application US/09069138
Patent No. 6348572

GENERAL INFORMATION:

APPLICANT: DESMARAIS, SYLVIE
APPLICANT: DUPERNE, CLAUDE
APPLICANT: FRIESEN, RICHARD
APPLICANT: LEBLANC, YVES
APPLICANT: ROY, PATRICK
APPLICANT: YOUNG, ROBERT N.

APPLICANT: ZAMONT, ROBERT
TITLE OF INVENTION: NEW LIGANDS FOR PHOSPHATASE
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:

ADDRESSEE: PHILIPPE L. DURETTE - MERCK & CO., INC.
STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
CITY: RAHWAY
STATE: NJ
COUNTRY: USA
ZIP: 07065

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy Diskette
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/069,138
FILING DATE: 29-APR-1998
CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:

NAME: DURETTE, PHILIPPE L.
REGISTRATION NUMBER: 35,125
REFERENCE/DOCKET NUMBER: 19840Y1A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-4568
TELEFAX: 732-594-4720
TELEX:

INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:
LENGTH: 148 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: peptide

US-09-069-138-11

Query Match 52.2%; Score 761; DB 4; Length 148;
Best Local Similarity 99.3%; Pred. No. 2.7e-80;

Matches 146; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 28 SGISLDSNYSKMDYPMKGLCTIINNKNFHSTGMSRSCTDVAANLRETFRNKYEVRNK 87
Db 2 SGISLDSNYSKMDYPMKGLCTIINNKNFHSTGMSRSCTDVAANLRETFRNKYEVRNK 61

QY 88 NDLTREIEVELMDVSKEDHSKRSFVCLLSHGEGLIFGTNGPVDLKITNFFRGDRC 147
Db 62 NDLTREIEVELMDVSKEDHSKRSFVCLLSHGEGLIFGTNGPVDLKITNFFRGDRC 121

QY 148 RSLTGKPKLFIIOACRGTELDGIEFD 174
Db 122 RSLTGKPKLFIIOASRGTELDGIEFD 148

RESULT 4

US-08-446-925-7
Sequence 7, Application US/08446925
Patent No. 5672500

GENERAL INFORMATION:

APPLICANT: Litwack, Gerald
APPLICANT: Alnemri, Emed S.
APPLICANT: Fernandez-Alnemri, Teresa
TITLE OF INVENTION: Mch2, AN APOPTOTIC CYSTEINE
PROTEASE, AND COMPOSITIONS FOR MAKING AND
METHODS OF USING THE SAME
TITLE OF INVENTION: Mch2, AN APOPTOTIC CYSTEINE
PROTEASE, AND COMPOSITIONS FOR MAKING AND
METHODS OF USING THE SAME
TITLE OF INVENTION: Mch2, AN APOPTOTIC CYSTEINE
PROTEASE, AND COMPOSITIONS FOR MAKING AND
METHODS OF USING THE SAME
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz &
STREET: One Liberty Place, 46th floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/446,925
FILING DATE:
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Deluca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TJU-1508
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 204 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-446-925-7

Query Match 28.7%, Score 418.5, DB 1, Length 204;
Best Local Similarity 43.9%, Pred. No. 2.6e-40;
Matches 82, Conservative 29, Mismatches 63, Indels 13, Gaps 1;

QY 102 VSKEDHSKRSSFVCLVLSHGEGIIFGTNGVVDLKITNFRGDRCSLTGKPKLFIQA 161
DB 14 VSTVSHADADCFVCFVLSHGEGNHIYADAKIEIQTILGJFKGKCHSLVCKPKIFIIQA 73
QY 162 CRGTFLDCGI-----ETDSGVDDMACHKIPEVADFLVYSTAPGYSWRNS 208
DB 74 CRGQHDVPIPLDVNDQTEKLDITNEVDAAVYTLPGADFLMCGYVAEGYSHRET 133
QY 209 KDGSWFIOSLCAMLKQYADKLEFMHILTRVNRKATSFESFATPHAKKOIPICTVSM 268
DB 134 VNGSWYIIDLCEMLGKIGSSLEFTELLTVNRKVSQRVDFCKDPSAIGKKQVPCFASML 193
QY 269 TKELIFY 275
DB 194 TKKLHFF 200

RESULT 5

US-09-146-331-7
Sequence 7, Application US/09146331
Patent No. 5958720
GENERAL INFORMATION:
APPLICANT: Litwack, Gerald

APPLICANT: Alnemri, Emed S.
APPLICANT: Fernandez-Alnemri, Teresa
TITLE OF INVENTION: Mch2, AN APOPTOTIC CYSTEINE
PROTEASE, AND COMPOSITIONS FOR MAKING AND
METHODS OF USING THE SAME
TITLE OF INVENTION: Mch2, AN APOPTOTIC CYSTEINE
PROTEASE, AND COMPOSITIONS FOR MAKING AND
METHODS OF USING THE SAME
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz &
STREET: One Liberty Place, 46th floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/146,331
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/896,885
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Deluca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TJU-1508
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 204 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

US-09-146-331-7

Query Match 28.7%, Score 418.5, DB 2, Length 204;
Best Local Similarity 43.9%, Pred. No. 2.6e-40;
Matches 82, Conservative 29, Mismatches 63, Indels 13, Gaps 1;

QY 102 VSKEDHSKRSSFVCLVLSHGEGIIFGTNGVVDLKITNFRGDRCSLTGKPKLFIQA 161
DB 14 VSTVSHADADCFVCFVLSHGEGNHIYADAKIEIQTILGJFKGKCHSLVCKPKIFIIQA 73
QY 162 CRGTFLDCGI-----ETDSGVDDMACHKIPEVADFLVYSTAPGYSWRNS 208
DB 74 CRGQHDVPIPLDVNDQTEKLDITNEVDAAVYTLPGADFLMCGYVAEGYSHRET 133
QY 209 KDGSWFIOSLCAMLKQYADKLEFMHILTRVNRKATSFESFATPHAKKOIPICTVSM 268
DB 134 VNGSWYIIDLCEMLGKIGSSLEFTELLTVNRKVSQRVDFCKDPSAIGKKQVPCFASML 193
QY 269 TKELIFY 275
DB 194 TKKLHFF 200

RESULT 6

US-08-896-885-7
Sequence 7, Application US/08896885
Patent No. 5985640

GENERAL INFORMATION:

APPLICANT: Litwack, Gerald
APPLICANT: Alnemri, Emed S.
APPLICANT: Fernandez-Alnemri, Teresa
TITLE OF INVENTION: Mch2, AN APOPTOTIC CYSTEINE
PROTEASE, AND COMPOSITIONS FOR MAKING AND
METHODS OF USING THE SAME

NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESSES:
 ADDRESS: Woodcock, Washburn, Kurtz, Mackiewicz &
 ADDRESSEE: No. 598564015
 STREET: One Liberty Place, 46th floor
 CITY: Philadelphia
 STATE: PA
 COUNTRY: USA
 ZIP: 19103
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Wordperfect 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/896,885
 FILING DATE: 18-JUL-1997
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/446,925
 FILING DATE: 18-MAY-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Deluca, Mark
 REGISTRATION NUMBER: 33,229
 REFERENCE/DOCKET NUMBER: TJU-1508
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (215) 568-3100
 TELEFAX: (215) 568-3439
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 204 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-896-885-7

Query Match 28.7%; Score 418.5; DB 2; Length 204;
 Best Local Similarity 43.9%; Pred. No. 2.6e-40;
 Matches 82; Conservative 29; Mismatches 63; Indels 13; Gaps 1;

QY 102 VSKEDHSKRSSFVVCYLLSHGEGILFTNGVPVDLKKITNFRGDRCSLTKPKPLFIIOA 161
 DB 14 VSTVSHADADCFVCFVLSHGEGNHLYAYDAKIEIQTLLGLFKGDKXCHSLVCKPIFIIOA 73
 QY 162 CRGTSLDGI-----ETDSGVDDDMACHKIPVADPLVAYSTAPGYYSWNS 208
 DB 74 CRGNQHDVPIPLDVVDNQTETKLDITNITEVDAASYTLTPAGADFLMCYVAEGYYSHRET 133
 QY 209 KDGSWFIQSLCAMELKQYADKLEFMHILTRVNRKYATEPESFSPATFPAKQIPIQIVSML 268
 DB 134 VNGSWYIDPLCEMLGKYGSSLEFTELLTLVNRKYSQRVDFCKDPSAIGKKQVCFPSML 193
 QY 269 TKELYFY 275
 DB 194 TKLHFF 200

RESULT 7
 US-09-375-256-7
 Sequence 7, Application US/09375256
 Patent No. 6359127
 GENERAL INFORMATION:
 APPLICANT: Litwack, Gerald
 Alnemri, Emed S.
 Fernandez-Alnemri, Teresa
 TITLE OF INVENTION: Mch2 AN APOPTOTIC CYSTEINE
 PROTEASE
 AND COMPOSITIONS FOR MAKING AND
 METHODS
 NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESSES:
 ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz &
 No. 635912715
 CITY: Philadelphia

STREET: One Liberty Place, 46th floor
 CITY: Philadelphia
 STATE: PA
 COUNTRY: USA
 ZIP: 19103
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Wordperfect 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/375,256
 FILING DATE: 16-AUG-1999
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/446,925
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Deluca, Mark
 REGISTRATION NUMBER: 33,229
 REFERENCE/DOCKET NUMBER: TJU-1508
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (215) 568-3100
 TELEFAX: (215) 568-3439
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 204 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 7:
 US-09-375-256-7

Query Match 28.7%; Score 418.5; DB 4; Length 204;
 Best Local Similarity 43.9%; Pred. No. 2.6e-40;
 Matches 82; Conservative 29; Mismatches 63; Indels 13; Gaps 1;

QY 102 VSKEDHSKRSSFVVCYLLSHGEGILFTNGVPVDLKKITNFRGDRCSLTKPKPLFIIOA 161
 DB 14 VSTVSHADADCFVCFVLSHGEGNHLYAYDAKIEIQTLLGLFKGDKXCHSLVCKPIFIIOA 73
 QY 162 CRGTSLDGI-----ETDSGVDDDMACHKIPVADPLVAYSTAPGYYSWNS 208
 DB 74 CRGNQHDVPIPLDVVDNQTETKLDITNITEVDAASYTLTPAGADFLMCYVAEGYYSHRET 133
 QY 209 KDGSWFIQSLCAMELKQYADKLEFMHILTRVNRKYATEPESFSPATFPAKQIPIQIVSML 268
 DB 134 VNGSWYIDPLCEMLGKYGSSLEFTELLTLVNRKYSQRVDFCKDPSAIGKKQVCFPSML 193
 QY 269 TKELYFY 275
 DB 194 TKLHFF 200

RESULT 8
 US-09-376-156-7
 Sequence 7, Application US/09376156
 Patent No. 6407215
 GENERAL INFORMATION:
 APPLICANT: Litwack, Gerald
 Alnemri, Emed S.
 Fernandez-Alnemri, Teresa
 TITLE OF INVENTION: Mch2 AN APOPTOTIC CYSTEINE
 PROTEASE
 AND COMPOSITIONS FOR MAKING AND
 METHODS
 NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESSES:
 ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz &
 No. 640721515
 STREET: One Liberty Place, 46th floor
 CITY: Philadelphia

STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/376,156
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/446,925
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Deluca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: T0U-1508
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 204 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-376-156-7

Query Match 28.7%; Score 418.5; DB 4; Length 204;
Best Local Similarity 43.9%; Pred. No. 2.6e-40;
Matches 82; Conservative 29; Mismatches 63; Indels 13; Gaps 1;

QY 102 VSKEDHSKSSFFCVLLSHGEGIIFGTNGPVDLKIITFFRGDRSLTGKPKLIIQA 161
DB 14 VSTVSHADADCFVCFHSHGEGNHIVYDAKIEIQTLTGFKGDKXSLVGNKXIIIA 73
QY 162 CRGTELDGCI-----ETDSGVDDMACHKIPVEAFLVAYSTAPGYISWRNS 208
DB 74 CRGNQHDVPIPLDVVDNTEKLDITTEVDASVYTLPAAGAFIMCYSAEGYSHRET 133
QY 209 KDSWFIQSLICAMIKOYADKLEFMHILTRVNRKVAATEFESFSDATFHAKKOIPCTVSM 268
DB 134 VNGSWYIQLDCENLKGKYSLEFTELLTVNRKVSQRVDFCDPSAIGKQVPCASML 193
QY 269 TKELFY 275
DB 194 TKLHFF 200

RESULT 9
US-08-983-502-20
Sequence 20, Application US/08983502
Patent No. 6398327
GENERAL INFORMATION:
APPLICANT: David WALLACH
APPLICANT: Mark P. BOLDIN
APPLICANT: Tanya M. GONCHAROV
APPLICANT: Yuri V. GOLTSEV
TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
TITLE OF INVENTION: AND OTHER PROTEINS
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Broadway and Neimark
STREET: 419 Seventh Street N.W., Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/983,502
FILING DATE: 16-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/10521
FILING DATE: 14-JUN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH=19
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-3528
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 266 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-983-502-20

Query Match 23.5%; Score 342.5; DB 4; Length 266;
Best Local Similarity 38.0%; Pred. No. 2.7e-31;
Matches 81; Conservative 42; Mismatches 73; Indels 17; Gaps 6;

QY 73 LRETFRLKVRNRKNDLTREBIYELMRDYSKEDHSKSSFFCVLLSHGEGIIFGTNG 131
DB 57 LTFTEELHEIKHNDCTVEQIYEIKIYQMDHSMDCFIICILSHGKGIYGTGQ 116
QY 132 FVDLKIITFFRGDRSLTGKPKLFIIOACRGTELDGCI--ETDSG---VDDMACHK 185
DB 117 EAPIYELISQFTGKCSLAKGRKRVFIIOACQGDNYOKGIPVETDSEEDQYILEMDLSSFO 176
QY 186 ---LPEADFLVAYSTAPGYISWRNSKDSWFIQSLICAMIKOYADK-LEFMHILTRVNRK 241
DB 177 TRYIPDEADFLIMATVNNCVSYRNPAGETWYIQLCSQSLRECRPGDDILITLTVNVE 236
QY 242 VATEFESFSDATFHAKKOIPCTVSMITELVF 274
DB 237 VSNK-----DCKKNGKQMPPTTLRKLVF 283

RESULT 10
US-09-516-747-20
Sequence 20, Application US/09516747
Patent No. 6586571
GENERAL INFORMATION:
APPLICANT: David WALLACH
APPLICANT: Mark P. BOLDIN
APPLICANT: Tanya M. GONCHAROV
APPLICANT: Yuri V. GOLTSEV
TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
TITLE OF INVENTION: AND OTHER PROTEINS
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:

ADDRESSEE: Browdy and Neimark
STREET: 419 Seventh Street N.W., Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/516,747
FILING DATE: 01-Mar-2000

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/983,502
FILING DATE: <unknown>
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996

ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH-19
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-3528

INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 266 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-09-516-747-20

Query Match 23.5%; Score 342.5; DB 4; Length 266;
Best Local Similarity 38.0%; Pred. No. 2,7e-31;
Matches 81; Conservative 42; Mismatches 73; Indels 17; Gaps 6;

QY 73 LRETFRNLYKYEVRNKNLDTREBEIVELMRDYSKEDHSKRSSFVGVLLSHGEGGIIFGTNG-131
DB 57 LTTFFELHFIKHKHDCTVEQIYEILKIYQLMDHSMDCFCILSHGKGIIVGTDGQ 116
QY 132 PVDLKITNFRGRCRSLTGKPKYLFIOACRGTELDGCI--ETDSC---VDDMACHK 185
DB 117 EAPIYELTSGFTGKCPSLAGKPKVFPIQACQGNVYKGIPEVTDSEQPYLEMDLSSPQ 176
QY 186 ---IPVADFLYAATAPGYYSWNSKDGSMFIQSLCAMUKOYADK-LEFMHILTRYNRK 241
DB 177 TRYIPDEADFLGMATVNNCYSYNNPAEGTWIYQSLQSLREKCPREDIDILITLIEVNYE 236
QY 242 VATEFESFSFPAATHAKQIIPCIYVSMTKELVF 274
DB 237 VSNK-----DDKKNMGKQMPQPTFLTKKLVF 263

RESULT 11
PCT-US96-10521-20
Sequence 20, Application PC/TUS9610521
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
TITLE OF INVENTION: AND OTHER PROTEINS
NUMBER OF SEQUENCES: 34

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/10521
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,615
FILING DATE: 16-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 114,986
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 115,319
FILING DATE: 14-SEP-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 116,588
FILING DATE: 27-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 117,932
FILING DATE: 16-APR-1996
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 266 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-10521-20

Query Match 23.5%; Score 342.5; DB 5; Length 266;
Best Local Similarity 38.0%; Pred. No. 2,7e-31;
Matches 81; Conservative 42; Mismatches 73; Indels 17; Gaps 6;

QY 73 LRETFRNLYKYEVRNKNLDTREBEIVELMRDYSKEDHSKRSSFVGVLLSHGEGGIIFGTNG-131
DB 57 LTTFFELHFIKHKHDCTVEQIYEILKIYQLMDHSMDCFCILSHGKGIIVGTDGQ 116
QY 132 PVDLKITNFRGRCRSLTGKPKYLFIOACRGTELDGCI--ETDSC---VDDMACHK 185
DB 117 EAPIYELTSGFTGKCPSLAGKPKVFPIQACQGNVYKGIPEVTDSEQPYLEMDLSSPQ 176
QY 186 ---IPVADFLYAATAPGYYSWNSKDGSMFIQSLCAMUKOYADK-LEFMHILTRYNRK 241
DB 177 TRYIPDEADFLGMATVNNCYSYNNPAEGTWIYQSLQSLREKCPREDIDILITLIEVNYE 236
QY 242 VATEFESFSFPAATHAKQIIPCIYVSMTKELVF 274
DB 237 VSNK-----DDKKNMGKQMPQPTFLTKKLVF 263

RESULT 12
US-08-852-936C-4
Sequence 4, Application US/08852936C
Patent No. 6010878
GENERAL INFORMATION:
APPLICANT: DIXIT, VISHVA M.
APPLICANT: HE, WEI-WU
APPLICANT: KIKUY, KRISTINE K.
APPLICANT: RUBEN, STEVEN M.
TITLE OF INVENTION: INTERLEUKIN-1 BETA CONVERTING
TITLE OF INVENTION: ENZYME LIKE APOPTOTIC PROTEASE-6
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Ratner & Prestia
STREET: P.O. Box 980
CITY: Valley Forge
STATE: PA
COUNTRY: USA
ZIP: 19482

```
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/852,936C
FILING DATE: 08-MAY-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/018,961
FILING DATE: 05-JUN-1996
APPLICATION NUMBER: 60/020,344
FILING DATE: 23-MAY-1996
APPLICATION NUMBER: 60/017,949
FILING DATE: 20-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Prestia, Paul F
REGISTRATION NUMBER: 23,031
REFERENCE/DOCKET NUMBER: P50483-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-407-0700
TELEFAX: 610-407-0700
TELEX: 846169
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 203 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-852-936C-4

Query Match      20.4%; Score 298; DB 3; Length 203;
Best Local Similarity 32.1%; Pred. No. 2.5e-26;
Matches 68; Conservative 36; Mismatches 66; Indels 42; Gaps 4;

QY 95 IVELMRDYSKEDHSKRSSFVCLLSHGEE-----GIPTGNG-PVDLKKITNFFGDR 146
DB 1 MVLALLBLARQDHGALDCCVAVIILSHGQASHLPFGAVYGTDCPVSVEKIVIFNGTS 60
QY 147 CRSLTGKPKLFIQAACRGTELDGCIETDSGVDDM-----A 182
DB 61 CPSLGGKPKLFFIQACGGEQKDHGFVASTSPEDSPGNSNPEDPATPFQGLRTFFDQLDA 120
QY 183 CHKIPVEADFLYAVSTAGYYSWRNSKDGSWFIQSLCAMLKQYADKLEFVHILTRVNRKY 242
DB 121 ISSLPTPSDIFVSYSTFPGFVSWRDPKSGSWYVETLDDIFEQWHSDDLQSLLRVANAV 180
QY 243 ATEPESFSFDATFPAKKQIPCIIVSMLTRKELF 274
DB 181 SVK-----GIYKQMPGCFNFKRLKLF 202

RESULT 13
US-09-300-328-4
Sequence 4, Application US/09300328
Patent No. 6294169
GENERAL INFORMATION:
APPLICANT: DIXIT, VISHVA M.
APPLICANT: HE, WEI-WU
APPLICANT: KIKLY, KRISTINE K.
APPLICANT: RUBEN, STEVEN M.
TITLE OF INVENTION: INTERLEUKIN-1 BETA CONVERTING
TITLE OF INVENTION: ENZYME LIKE APOPTOTIC PROTEASE-6
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Ratner & Prestia
STREET: P.O. Box 980
CITY: Valley Forge
STATE: PA
COUNTRY: USA
ZIP: 19482
```

```
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/300,328
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/852,936
FILING DATE: 08-MAY-1997
APPLICATION NUMBER: 60/018,961
FILING DATE: 05-JUN-1996
APPLICATION NUMBER: 60/020,344
FILING DATE: 23-MAY-1996
APPLICATION NUMBER: 60/017,949
FILING DATE: 20-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Prestia, Paul F
REGISTRATION NUMBER: 23,031
REFERENCE/DOCKET NUMBER: P50483-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-407-0700
TELEFAX: 610-407-0700
TELEX: 846169
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 203 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-300-328-4

Query Match      20.4%; Score 298; DB 3; Length 203;
Best Local Similarity 32.1%; Pred. No. 2.5e-26;
Matches 68; Conservative 36; Mismatches 66; Indels 42; Gaps 4;

QY 95 IVELMRDYSKEDHSKRSSFVCLLSHGEE-----GIPTGNG-PVDLKKITNFFGDR 146
DB 1 MVLALLBLARQDHGALDCCVAVIILSHGQASHLPFGAVYGTDCPVSVEKIVIFNGTS 60
QY 147 CRSLTGKPKLFIQAACRGTELDGCIETDSGVDDM-----A 182
DB 61 CPSLGGKPKLFFIQACGGEQKDHGFVASTSPEDSPGNSNPEDPATPFQGLRTFFDQLDA 120
QY 183 CHKIPVEADFLYAVSTAGYYSWRNSKDGSWFIQSLCAMLKQYADKLEFVHILTRVNRKY 242
DB 121 ISSLPTPSDIFVSYSTFPGFVSWRDPKSGSWYVETLDDIFEQWHSDDLQSLLRVANAV 180
QY 243 ATEPESFSFDATFPAKKQIPCIIVSMLTRKELF 274
DB 181 SVK-----GIYKQMPGCFNFKRLKLF 202

RESULT 14
US-09-187-789-2
Sequence 2, Application US/09187789
Patent No. 6340740
GENERAL INFORMATION:
APPLICANT: Alnemri, Emad S.
APPLICANT: Fernandez-Alnemri, Teresa
TITLE OF INVENTION: CASPASE-14, AN APOPTOTIC PROTEASE, NUCLEIC ACID ENCODING
TITLE OF INVENTION: AND METHODS OF USE
FILE REFERENCE: 480140.434C1
CURRENT APPLICATION NUMBER: US/09/187,789
CURRENT FILING DATE: 1998-11-06
NUMBER OF SEQ ID NOS: 78
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 260
TYPE: PRT
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ORGANISM: Mus musculus
US-09-187-789-2

Search completed: December 29, 2003, 16:45:29
Job time: 24 secs

Query Match 18.8%; Score 274; DB 4; Length 260;
Best Local Similarity 31.5%; Pred. No. 2.3e-23;
Matches 86; Conservative 41; Mismatches 104; Indels 42; Gaps 10;

QY 23 SESMDSGISLDNSYKMDYEMGLCTIINKNFHKSTGMTSRSCTVDANLRETFRNKY 82
DB 6 SEMSDPQLOEERYDMGARIALTLCVTK-----AREGSEVDMEALERMFRYLKF 55
QY 83 EVRNKNNDLTR---EIVELMDVSKEDHSKRSFVCLLSHGEGGIIFGTNGP-YDLKK 137
DB 56 ESTMKRDPFPAQGFLELDEPQOTINWEEPVSCAFV-VLMAHGBGLIKGEDEKAVRLD 114
QY 138 ITNFRGRCRSLTGKPKLFTIQACRGTELDGIE---TDSGVD---DDMACHK-- 185
DB 115 LFEVLNNKCKALKRGKPKVYIIQACRGHRDPGEELRGNEBELGDEELGDEAVAVLKNP 174
QY 186 --IPEADFLVAYSTAPGYSWRNKSGSWFIOSLC-AMLKQYADKLEFPHILTRV--NR 240
DB 175 QSIPTYTDLHIYSTVEGLSYRHDKSGSGFIQTLTDVFIHKKSIIELTBEITRLMANT 234
QY 241 KVATFESESEDPATPHAKQIPICTIVSMULTKEY 273
DB 235 EVMQEGK-----PRKNPEVQSTLRKLY 258

RESULT 15

US-09-138-600-2
; Sequence 2, Application US/09139600
; Patent No. 6432628
; GENERAL INFORMATION:
; APPLICANT: Alnemri, Emad S.
; APPLICANT: Fernandez-Alnemri, Teresa
; TITLE OF INVENTION: CASPASE-14, AN APOPTOTIC PROTEASE, NUCLEIC ACID ENCODING
; TITLE OF INVENTION: AND METHOD OF USE
; FILE REFERENCE: 480140.434
; CURRENT APPLICATION NUMBER: US/09/139,600
; CURRENT FILING DATE: 1998-08-25
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 260
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-139-600-2

Query Match 18.8%; Score 274; DB 4; Length 260;
Best Local Similarity 31.5%; Pred. No. 2.3e-23;
Matches 86; Conservative 41; Mismatches 104; Indels 42; Gaps 10;

QY 23 SESMDSGISLDNSYKMDYEMGLCTIINKNFHKSTGMTSRSCTVDANLRETFRNKY 82
DB 6 SEMSDPQLOEERYDMGARIALTLCVTK-----AREGSEVDMEALERMFRYLKF 55
QY 83 EVRNKNNDLTR---EIVELMDVSKEDHSKRSFVCLLSHGEGGIIFGTNGP-YDLKK 137
DB 56 ESTMKRDPFPAQGFLELDEPQOTINWEEPVSCAFV-VLMAHGBGLIKGEDEKAVRLD 114
QY 138 ITNFRGRCRSLTGKPKLFTIQACRGTELDGIE---TDSGVD---DDMACHK-- 185
DB 115 LFEVLNNKCKALKRGKPKVYIIQACRGHRDPGEELRGNEBELGDEELGDEAVAVLKNP 174
QY 186 --IPEADFLVAYSTAPGYSWRNKSGSWFIOSLC-AMLKQYADKLEFPHILTRV--NR 240
DB 175 QSIPTYTDLHIYSTVEGLSYRHDKSGSGFIQTLTDVFIHKKSIIELTBEITRLMANT 234
QY 241 KVATFESESEDPATPHAKQIPICTIVSMULTKEY 273
DB 235 EVMQEGK-----PRKNPEVQSTLRKLY 258

GenCore version 5.1.6
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OK protein - protein search, using sw model

Run on: December 29, 2003, 16:40:59 ; Search time 32 Seconds

(without alignments)
1716.526 Million cell updates/sec

Title: US-09-895-263b-4_COPY_2_277

Perfect score: 1458

Sequence: 1 ENTENSVDKSKIKLPEKIL.....AKKQIPCLVSMTEKLYFYH 276

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 724715 seqs, 199017464 residues

Total number of hits satisfying chosen parameters: 437766

Minimum DB seq length: 0

Maximum DB seq length: 276

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications_AA:*

- 1: /cgn2_6/ptodata/1/pubpa/US07_PUBCOMB.pep:*
- 2: /cgn2_6/ptodata/1/pubpa/PCIT_NEW_PUB.pep:*
- 3: /cgn2_6/ptodata/1/pubpa/US06_NEW_PUB.pep:*
- 4: /cgn2_6/ptodata/1/pubpa/US06_PUBCOMB.pep:*
- 5: /cgn2_6/ptodata/1/pubpa/US07_NEW_PUB.pep:*
- 6: /cgn2_6/ptodata/1/pubpa/PCIT5_PUBCOMB.pep:*
- 7: /cgn2_6/ptodata/1/pubpa/US08_NEW_PUB.pep:*
- 8: /cgn2_6/ptodata/1/pubpa/US08_PUBCOMB.pep:*
- 9: /cgn2_6/ptodata/1/pubpa/US09A_PUBCOMB.pep:*
- 10: /cgn2_6/ptodata/1/pubpa/US09C_PUBCOMB.pep:*
- 11: /cgn2_6/ptodata/1/pubpa/US09C_NEW_PUB.pep:*
- 12: /cgn2_6/ptodata/1/pubpa/US10A_PUBCOMB.pep:*
- 13: /cgn2_6/ptodata/1/pubpa/US10B_PUBCOMB.pep:*
- 14: /cgn2_6/ptodata/1/pubpa/US10C_PUBCOMB.pep:*
- 15: /cgn2_6/ptodata/1/pubpa/US10D_PUBCOMB.pep:*
- 16: /cgn2_6/ptodata/1/pubpa/US10E_NEW_PUB.pep:*
- 17: /cgn2_6/ptodata/1/pubpa/US60_NEW_PUB.pep:*
- 18: /cgn2_6/ptodata/1/pubpa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1397	95.8	264	14 US-10-103-448-3	Sequence 3, Appli
2	1397	95.8	264	14 US-10-108-929-3	Sequence 2, Appli
3	828	56.8	182	9 US-09-809-905-2	Sequence 110, App
4	771	52.9	147	15 US-10-214-932-110	Sequence 112, App
5	551	37.8	102	15 US-10-214-932-112	Sequence 7, Appli
6	418.5	28.7	204	15 US-10-171-077-7	Sequence 20, Appli
7	342.5	23.5	266	12 US-10-368-438-20	Sequence 48728, A
8	316	21.7	167	9 US-09-864-761-48728	Sequence 24, Appli
9	274.5	18.8	242	9 US-09-845-028-2	Sequence 2, Appli
10	274.5	18.8	242	9 US-09-845-028-2	Sequence 9, Appli
11	274.5	18.8	242	9 US-09-845-028-9	Sequence 105, App
12	274.5	18.8	257	9 US-09-764-803A-2	Sequence 2, Appli
13	274	18.8	260	10 US-09-989-903-2	Sequence 2, Appli
14	274	18.8	260	10 US-09-989-903-2	Sequence 2, Appli
15	274	18.8	260	15 US-10-068-564-2	Sequence 2, Appli

16	273.5	18.8	242	10 US-09-989-903-5	Sequence 5, Appli
17	273.5	18.8	242	10 US-10-068-564-5	Sequence 5, Appli
18	271.5	18.6	229	9 US-09-764-803A-4	Sequence 4, Appli
19	250	17.1	51	10 US-09-989-903-34	Sequence 34, Appli
20	250	17.1	51	10 US-10-068-564-34	Sequence 27, Appli
21	240.5	16.5	163	9 US-09-864-761-47950	Sequence 47950, A
22	239	16.4	58	10 US-09-989-903-27	Sequence 27, Appli
23	239	16.4	58	10 US-10-068-564-27	Sequence 9, Appli
24	229.5	15.7	214	10 US-09-989-903-8	Sequence 9, Appli
25	229.5	15.7	214	10 US-10-068-564-8	Sequence 28, Appli
26	227.5	15.6	253	10 US-10-198-070-28	Sequence 33, Appli
27	217	14.9	42	10 US-09-989-903-23	Sequence 23, Appli
28	217	14.9	42	10 US-10-068-564-23	Sequence 33, Appli
29	205.5	14.1	223	10 US-09-868-243-22	Sequence 7, Appli
30	204.5	14.0	230	10 US-09-989-903-7	Sequence 7, Appli
31	204.5	14.0	230	10 US-10-068-564-7	Sequence 30, Appli
32	191	13.1	39	10 US-09-989-903-30	Sequence 30, Appli
33	191	13.1	39	10 US-10-068-564-30	Sequence 28, Appli
34	190	13.0	47	10 US-09-989-903-28	Sequence 28, Appli
35	190	13.0	47	10 US-10-068-564-28	Sequence 40, Appli
36	177	12.1	52	10 US-09-989-903-40	Sequence 40, Appli
37	177	12.1	52	10 US-10-068-564-40	Sequence 21, Appli
38	157.5	10.8	131	10 US-09-888-243-21	Sequence 41, Appli
39	157	10.8	51	10 US-09-989-903-41	Sequence 41, Appli
40	157	10.8	51	10 US-10-068-564-41	Sequence 172, App
41	148.5	10.2	266	12 US-10-116-275-172	Sequence 4, Appli
42	146	10.0	30	14 US-10-103-448-4	Sequence 4, Appli
43	146	10.0	30	14 US-10-108-929-4	Sequence 29, Appli
44	141	9.7	28	10 US-09-989-903-29	Sequence 29, Appli
45	141	9.7	28	15 US-10-068-564-29	Sequence 29, Appli

ALIGNMENTS

RESULT 1
US-10-103-448-3
; Sequence 3, Application US/10103448
; Publication No. US20020155579A1
; GENERAL INFORMATION:
; APPLICANT: Krebs, Joseph F.
; APPLICANT: Sriivasan, Anu
; APPLICANT: Fritz, Lawrence C.
; APPLICANT: Wu, Joseph C.
; TITLE OF INVENTION: MEMBRANE DERIVED CASPASE-3, COMPOSITIONS
; TITLE OF INVENTION: COMPRISING THE SAME AND METHODS OF USE THEREFOR
; FILE REFERENCE: 480140.468D1
; CURRENT APPLICATION NUMBER: US/10/103, 448
; CURRENT FILING DATE: 2002-03-20
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PASTESEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 264
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-103-448-3

Query Match	95.8%	Score 1397	DB 14	Length 264
Best Local Similarity	99.6%	Pred. No. 66-137		
Matches 263	Conservative	1	Mismatches 0	Indels 0
			Gaps 0	
QY	13	KNEPFIIGSEMSDGLSDSYKMDYEMGLCIINNNKFNHKTGMSRSGTVDAAAN	72	
DB	1	KNEPFIIGSEMSDGLSDSYKMDYEMGLCIINNNKFNHKTGMSRSGTVDAAAN	60	
QY	73	LEETPNLKYEVRANKDILREIEIVLMPRVSEDSKSSSFYCVLLSHGEEDIIIGTNGP	132	
DB	61	LEETPNLKYEVRANKDILREIEIVLMPRVSEDSKSSSFYCVLLSHGEEDIIIGTNGP	120	
QY	133	VDLKKITNFFPGDRCSLTGKPKLFTIQCRGTEHDCGIEITDGGVDDDAKRIEYADF	192	
DB	121	VDLKKITNFFPGDRCSLTGKPKLFTIQCRGTEHDCGIEITDGGVDDDAKRIEYADF	180	

QY 193 LYAVSTAPGYYSWRNSKDSWFIQSLCAMLKOYADKLEFMHILTRVNRKVALEPESFSD 252
 DB 181 LYAVSTAPGYYSWRNSKDSWFIQSLCAMLKOYADKLEFMHILTRVNRKVALEPESFSD 240
 QY 253 ATFHAKKOIPCIIVSMULTKELYFYH 276
 DB 241 ATFHAKKOIPCIIVSMULTKELYFYH 264

RESULT 2

US-10-108-929-3
 ; Sequence 3, Application US/10108929
 ; Publication No. US20020197702A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Krebs, Joseph F.
 ; APPLICANT: Srivivasan, Anu
 ; APPLICANT: Fritz, Lawrence C.
 ; APPLICANT: Wu, Joseph C.
 ; TITLE OF INVENTION: MEMBRANE DERIVED CASPASE-3, COMPOSITIONS
 ; FILE REFERENCE: 480140, 468D2
 ; CURRENT APPLICATION NUMBER: US/10/108, 929
 ; NUMBER OF SEQ ID NOS: 7
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 3
 ; LENGTH: 264
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-108-929-3

Query Match 95.8%; Score 1397; DB 14; Length 264;
 Best Local Similarity 99.6%; Pred. No. 6e-137;
 Matches 263; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 13 KMLEPKIIHSGESMSGSLDINSYKDDYFEMGLCIIINNKQFHKSTGMTSSGTDVDAAN 72
 DB 1 KMLEPKIIHSGESMSGSLDINSYKDDYFEMGLCIIINNKQFHKSTGMTSSGTDVDAAN 60
 QY 73 LRETFRNLYEVRNKNDLREIEIVELMRDVSKEDESKRSFVCLVLSHGEIGIIFGTNGP 132
 DB 61 LRETFRNLYEVRNKNDLREIEIVELMRDVSKEDESKRSFVCLVLSHGEIGIIFGTNGP 120
 QY 133 VDLKTIITPFRGDRCRSLTGKPKLFIIOACRGTELDGIEITDSGVDDMACHKIPVDADF 192
 DB 121 VDLKTIITPFRGDRCRSLTGKPKLFIIOACRGTELDGIEITDSGVDDMACHKIPVDADF 180
 QY 193 LYAVSTAPGYYSWRNSKDSWFIQSLCAMLKOYADKLEFMHILTRVNRKVALEPESFSD 252
 DB 181 LYAVSTAPGYYSWRNSKDSWFIQSLCAMLKOYADKLEFMHILTRVNRKVALEPESFSD 240
 QY 253 ATFHAKKOIPCIIVSMULTKELYFYH 276
 DB 241 ATFHAKKOIPCIIVSMULTKELYFYH 264

RESULT 3

US-09-809-905-2
 ; Sequence 2, Application US/09809905
 ; Patent No. US2002001806A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Huang, Yuanhui
 ; APPLICANT: Sun, Yi
 ; APPLICANT: Wang, Kevin Ka-Wang
 ; TITLE OF INVENTION: CASPASE-3S SPLICING VARIANT
 ; FILE REFERENCE: U.S. Application A0000224
 ; CURRENT APPLICATION NUMBER: US/09/809, 905
 ; PRIOR FILING DATE: 2001-03-16
 ; PRIOR APPLICATION NUMBER: 60/204,468
 ; NUMBER OF SEQ ID NOS: 5
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 2

LENGTH: 162
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-809-905-2

Query Match 56.8%; Score 828; DB 9; Length 162;
 Best Local Similarity 100.0%; Pred. No. 5.8e-78;
 Matches 160; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ENTENSVDKSKINLEPKIIHSGESMSGSLDINSYKDDYFEMGLCIIINNKQFHKSTGM 60
 DB 2 ENTENSVDKSKINLEPKIIHSGESMSGSLDINSYKDDYFEMGLCIIINNKQFHKSTGM 61
 QY 61 TSSRGTDVDAANLRETFRNLYEVRNKNDLREIEIVELMRDVSKEDESKRSFVCLVLSH 120
 DB 62 TSSRGTDVDAANLRETFRNLYEVRNKNDLREIEIVELMRDVSKEDESKRSFVCLVLSH 121
 QY 121 GEGGIIFGTNGPVDLKKITNPFGRDRCRSLTGKPKLFIIO 160
 DB 122 GEGGIIFGTNGPVDLKKITNPFGRDRCRSLTGKPKLFIIO 161

RESULT 4

US-10-214-932-110
 ; Sequence 110, Application US/10214932
 ; Publication No. US20030100707A1
 ; GENERAL INFORMATION:
 ; APPLICANT: HWANG, Inhwan
 ; APPLICANT: KIM, Dae Heon
 ; APPLICANT: LEE, Yong Jik
 ; TITLE OF INVENTION: SYSTEM FOR DETECTING PROTEASE
 ; FILE REFERENCE: APB02/US
 ; CURRENT APPLICATION NUMBER: US/10/214, 932
 ; CURRENT FILING DATE: 2002-08-08
 ; NUMBER OF SEQ ID NOS: 133
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 110
 ; LENGTH: 147
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-214-932-110

Query Match 52.9%; Score 771; DB 15; Length 147;
 Best Local Similarity 100.0%; Pred. No. 3.6e-72;
 Matches 147; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 28 SGISLDSYKDDYFEMGLCIIINNKQFHKSTGMTSSGTDVDAANLRETFRNLYEVRNKN 87
 DB 1 SGISLDSYKDDYFEMGLCIIINNKQFHKSTGMTSSGTDVDAANLRETFRNLYEVRNKN 60
 QY 88 NDLTREIEIVELMRDVSKEDESKRSFVCLVLSHGEIGIIFGTNGPVDLKKITNPFGRDR 147
 DB 61 NDLTREIEIVELMRDVSKEDESKRSFVCLVLSHGEIGIIFGTNGPVDLKKITNPFGRDR 120
 QY 148 RSLTGKPKLFIIOACRGTELDGIEITD 174
 DB 121 RSLTGKPKLFIIOACRGTELDGIEITD 147

RESULT 5

US-10-214-932-112
 ; Sequence 112, Application US/10214932
 ; Publication No. US20030100707A1
 ; GENERAL INFORMATION:
 ; APPLICANT: HWANG, Inhwan
 ; APPLICANT: KIM, Dae Heon
 ; APPLICANT: LEE, Yong Jik
 ; TITLE OF INVENTION: SYSTEM FOR DETECTING PROTEASE
 ; FILE REFERENCE: APB02/US
 ; CURRENT APPLICATION NUMBER: US/10/214, 932
 ; CURRENT FILING DATE: 2002-08-08
 ; NUMBER OF SEQ ID NOS: 133
 ; SOFTWARE: PatentIn version 3.1

SEQ ID NO 112
LENGTH: 102
TYPE: PRT
ORGANISM: Homo sapiens
US-10-214-932-112

Query Match 37.8%; Score 551; DB 15; Length 102;
Best Local Similarity 100.0%; Pred. No. 1.7e-49;
Matches 102; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 175 SGVDDVACIKIPVEADFLVAYSTAPGYYSWRNSKDGSMFIQSLCAMLKQYADLSEPMHI 224
DB 1 SGVDDVACIKIPVEADFLVAYSTAPGYYSWRNSKDGSMFIQSLCAMLKQYADLSEPMHI 60

QY 235 LTRVNRKVALEFESFSPDATHAKQIPCLVSMITKELFYH 276
DB 61 LTRVNRKVALEFESFSPDATHAKQIPCLVSMITKELFYH 102

RESULT 6
US-10-171-077-7
Sequence 7, Application US/10171077
Publication No. US20030022353A1

GENERAL INFORMATION:

APPLICANT: Litwack, Gerald

Alnemri, Emad S.

Fernandez-Alnemri, Teresa

TITLE OF INVENTION: Mch2, AN APOPTOTIC CYSTEINE

PROTEASE AND COMPOSITIONS FOR MAKING AND

METHODS

NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz &

No. US20030022353A1r1s

STREET: One Liberty Place, 46th floor

CITY: Philadelphia

STATE: PA

COUNTRY: USA

ZIP: 19103

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WordPerfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/171,077

FILING DATE: 12-Jun-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/446,925

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Deluca, Mark

REGISTRATION NUMBER: 33,229

REFERENCE/DOCKET NUMBER: TTU-1508

TELECOMMUNICATION INFORMATION:

TELEPHONE: (215) 568-3100

TELEFAX: (215) 568-3439

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 204 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 7:

US-10-171-077-7

Query Match 28.7%; Score 418.5; DB 15; Length 204;
Best Local Similarity 43.9%; Pred. No. 2.8e-35;
Matches 82; Conservative 29; Mismatches 63; Indels 13; Gaps 1;

QY 102 VSKEDHSKRSSFVCLVLSHGBEGIIIFTNGPVDIKITNFFRODRCRSLTGKPKLFIIOA 161

DB 14 VSTVSHADADCFVFLSHGBGNHLYAVDAKIEIQTLLGFKGDKCHSLVGPKFIIOA 73

QY 162 CRGTEDGCI-----ETDSGVDDMACIKIPVEADFLVAYSTAPGYYSWRNS 208

DB 74 CRGNQHDVPIPLVDVVDQTEKLDINITEVDAASVYTLPAQADFLMCYSAEGYSHRET 133

QY 209 KQGSWFIOQLCAMLKQYADKLEPMHILTRVNRKVALEFESFSPDATHAKQIPCLVSM 268

DB 134 VNGSWYIIDLCEMLCKYSSLSLEFTELLTVNRKVSQRVDFCKDPSAIGKQVPCFASML 193

QY 269 TKELFY 275

DB 194 TKELHF 200

RESULT 7
US-10-368-438-20
Sequence 20, Application US/10368438
Publication No. US20030219411A1

GENERAL INFORMATION:

APPLICANT: David WALLACH

Mark P. BOLDIN

Tanya M. GONCHAROV

Yury V. GOLTSEV

TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS

AND OTHER PROTEINS

NUMBER OF SEQUENCES: 34

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Broadway and Netmark

STREET: 419 Seventh Street N.W., Ste. 300

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/368,438

FILING DATE: 20-Feb-2003

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/983,502

FILING DATE: 16-JAN-1998

APPLICATION NUMBER: PCT/US96/10521

FILING DATE: 14-JUN-1996

APPLICATION NUMBER: IL 114,615

FILING DATE: 16-JUL-1995

APPLICATION NUMBER: IL 114,986

FILING DATE: 17-AUG-1995

APPLICATION NUMBER: IL 115,319

FILING DATE: 14-SEP-1995

APPLICATION NUMBER: IL 116,588

FILING DATE: 27-DEC-1995

APPLICATION NUMBER: IL 117,932

FILING DATE: 16-APR-1996

ATTORNEY/AGENT INFORMATION:

NAME: Broadway, Roger L.

REGISTRATION NUMBER: 25,618

REFERENCE/DOCKET NUMBER: WALLACH=19

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 628-5197

TELEFAX: (202) 737-3528

INFORMATION FOR SEQ ID NO: 20:

SEQUENCE CHARACTERISTICS:

LENGTH: 266 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 20:

US-10-368-438-20

Query Match 23.5%; Score 342.5; DB 12; Length 266;
 Best Local Similarity 38.0%; Pred. No. 3.3e-27;
 Matches 81; Conservative 42; Mismatches 73; Indels 17; Gaps 6;

QY 73 LRETFRNKYEVRNKNLDTREIEIVELMRDVSKEHSSKSSFCVLLSHGEGGIFGTNG-131
 DB 57 LTTTFELHFEIKPHDDCTVEIQYELIKYQLMDHSMNDCFIICLLSHGDKGIYGTGQ 116
 QY 132 PVDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCI--ETDSG---VDDMACHK 185
 DB 117 EAPIVELTSQFTGLKCPSLAGKPKVFIIOACGDNVYQGIPIVETDSEQPYLEMDLSPQ 176
 QY 186 ---IPEVADFLYAAGTARQYYSWRNSKXGSMFIOGLCMLKQYADK-LEFMHILTRYNRK 241
 DB 177 TRYIPEADFLIGMATVNNCVSYRNPAGTWIYQSLCQSLRRCRPGDILITLEVNYE 236
 QY 242 VATEFESFSDATFPAKKQIPCIIVSMITKELXF 274
 DB 237 VSNK-----DDKNNMGKOMPQPTFTLKKLIVF 263

RESULT 8

US-09-864-761-48728
 Sequence 48728, Application US/09864761
 Patent No. US20020048763A1
 GENERAL INFORMATION:
 APPLICANT: Penn, Sharon G.
 APPLICANT: Rank, David R.
 APPLICANT: Hanzel, David K.
 APPLICANT: Chen, Wensheng
 TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
 FILE REFERENCE: Aeomica-X-1
 CURRENT APPLICATION NUMBER: US/09/864,761
 PRIOR FILING DATE: 2001-05-23
 PRIOR APPLICATION NUMBER: US 60/180,312
 PRIOR FILING DATE: 2000-02-04
 PRIOR APPLICATION NUMBER: US 60/207,456
 PRIOR FILING DATE: 2000-05-26
 PRIOR APPLICATION NUMBER: US 09/632,366
 PRIOR FILING DATE: 2000-08-03
 PRIOR APPLICATION NUMBER: GB 24263.6
 PRIOR FILING DATE: 2000-10-04
 PRIOR APPLICATION NUMBER: US 60/236,359
 PRIOR FILING DATE: 2000-09-27
 PRIOR APPLICATION NUMBER: PCT/US01/00666
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00667
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00664
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00669
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00665
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00668
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00663
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00662
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00661
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00670
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: US 60/234,687
 PRIOR FILING DATE: 2000-09-21
 PRIOR APPLICATION NUMBER: US 09/608,408
 PRIOR FILING DATE: 2000-06-30
 PRIOR APPLICATION NUMBER: US 09/774,203
 PRIOR FILING DATE: 2001-01-29

NUMBER OF SEQ ID NOS: 49117
 SOFTWARE: Annotmax Sequence Listing Engine vers. 1.1
 SEQ ID NO 48728
 LENGTH: 167
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 OTHER INFORMATION: MAP TO AC007256.1
 OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.2
 OTHER INFORMATION: EST_HUMAN HIT: BE271526.1, EVALUO 2.00e-98
 OTHER INFORMATION: SWISSPROT HIT: Q14790, EVALUO 2.00e-99
 US-09-864-761-48728

Query Match

21.7%; Score 316; DB 9; Length 167;
 Best Local Similarity 41.4%; Pred. No. 9.8e-25;
 Matches 67; Conservative 33; Mismatches 52; Indels 10; Gaps 4;

QY 73 LRETFRNKYEVRNKNLDTREIEIVELMRDVSKEHSSKSSFCVLLSHGEGGIFGTNG-131
 DB 2 LTTTFELHFEIKPHDDCTVEIQYELIKYQLMDHSMNDCFIICLLSHGDKGIYGTGQ 61
 QY 132 PVDLKKITNFFRGDRCSLTGKPKLFIIOACRGTELDGCI--ETDSG---VDDMACHK 185
 DB 62 EAPIVELTSQFTGLKCPSLAGKPKVFIIOACGDNVYQGIPIVETDSEQPYLEMDLSPQ 121
 QY 186 ---IPEVADFLYAAGTARQYYSWRNSKXGSMFIOGLCMLKQYADK-LEFMHILTRYNRK 224
 DB 122 TRYIPEADFLIGMATVNNCVSYRNPAGTWIYQSLCQSLRRCRPGDILITLEVNYE 163

RESULT 9

US-09-764-803A-24
 Sequence 24, Application US/09764803A
 Patent No. US20020034812A1
 GENERAL INFORMATION:
 APPLICANT: Van de Craen, Marc
 APPLICANT: Declercq, Wim
 APPLICANT: Vandenabeele, Peter
 APPLICANT: Fiers, Walter
 TITLE OF INVENTION: NEW CASPASE HOMOLOGUE
 FILE REFERENCE: 2676-4661US
 CURRENT APPLICATION NUMBER: US/09/764,803A
 PRIOR FILING DATE: 2001-01-17
 PRIOR APPLICATION NUMBER: PCT/EP99/04999
 PRIOR FILING DATE: 1999-07-12
 PRIOR APPLICATION NUMBER: EP 98202422.6
 PRIOR FILING DATE: 1999-07-17
 PRIOR APPLICATION NUMBER: EP 98202422.6
 NUMBER OF SEQ ID NOS: 24
 SOFTWARE: PatentIn version 3.0
 SEQ ID NO 24
 LENGTH: 242
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 NAME/KEY: misc. feature
 OTHER INFORMATION: Description of Artificial Sequence: predicted (genscan progr
 OTHER INFORMATION: uman caspase-1
 US-09-764-803A-24

Query Match 18.8%; Score 274.5; DB 9; Length 242;
 Best Local Similarity 31.6%; Pred. No. 3.4e-20;
 Matches 80; Conservative 40; Mismatches 104; Indels 29; Gaps 9;

QY 31 SDNSYKDYPMGCIITNNKGFHKSIGMTSGTDVDAANTLETFRNKYEVRNKNL 90
 DB 7 NITEKYDSGARIALILCVTK-----AREGSEDDALAHMRQLRPFESTMKDP 56
 QY 91 TREIEIVELMRDVSKEHSSKSSFCV--VLLSHGEGGIFGTNGPVDIKITNFF---RG 144
 DB 57 TAECPQEELEKFKQQAIDSRDPVSCAFVLLMAHGREGLKEDG--EAVKLENDFEALNN 114
 QY 145 DRCRSLTKPKKFIIOACRGTELDGCIITDSGVDDMAC---HKIPEADFLYAAGTAP 200

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Db      115 KNCQALRAKRVYIIQACRGEQDPG-ETVGGDEIVMVKDSPQITPTDYLHYSTVE 173
Qy      201 GYSWNSKDGSWFIQSLCAMLKQYADKLEFMHILTRVNRKVATEFESFPDATHAKKO 260
Db      174 IAYRHQKSGCFIQTLDVDFTK--RKGHILELLETVRRMA-EAEIVQ---EGKARKT 227
Qy      261 IPIVSMLTRKELY 273
Db      228 NPEIQSTLRKRLY 240

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RESULT 10
US-09-845-028-2
; Sequence 2, Application US/09845028
; Patent No. US20020081705A1
; GENERAL INFORMATION:
; APPLICANT: Mankevich, John
; TITLE OF INVENTION: HUMAN CASPASE-14 COMPOSITIONS
; FILE REFERENCE: BBI-111
; CURRENT APPLICATION NUMBER: US/09/845,028
; CURRENT FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 60/199,962
; PRIOR FILING DATE: 2000-04-27
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 242
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-845-028-2

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Query Match      18.8%; Score 274.5; DB 9; Length 242;
Best Local Similarity 31.9%; Pred. No. 3.4e-20;
Matches 80; Conservative 39; Mismatches 103; Indels 29; Gaps 9;

Qy      33 DNSYKMDYPENGLCTIINNKNFHKSTGTSRGTDVDAANLRETFRLKYEVRKNDLTR 92
Db      9 EKKYMSGARLALILCVTK-----AREGSEBDLDALEHMFRLRFEESTYKRPDTA 58
Qy      93 EEIYELMDVSKEDHSKRSSFVC---VLSHGEEGIIFGTNGPYDLKKTNFF---RGDR 146
Db      59 EGFQEELEKFOQADISREDPVSCAFVVLMAHGREGLKGEDG--EWKLENLFEALNNK 116
Qy      147 CRSLTGKPKLFIQACRGTLEDGIEFDGSDVDDMAC---HKIPVADFLYASTAPGY 202
Db      117 COALRAKRVYIIQACRGEQDPG-ETVGGDEIVMVKDSPQITPTDYLHYSTVEGY 175
Qy      203 YSWNSKDGSWFIQSLCAMLKQYADKLEFMHILTRVNRKVATEFESFPDATHAKKOIP 262
Db      176 IAYRHQKSGCFIQTLDVDFTK--RKGHILELLETVRRMA-EAEIVQ---EGKARKTNP 229
Qy      263 CIVSMLTRKELY 273
Db      230 EIQSTLRKRLY 240

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RESULT 11
US-09-845-028-9
; Sequence 9, Application US/09845028
; Patent No. US20020081705A1
; GENERAL INFORMATION:
; APPLICANT: Mankevich, John
; TITLE OF INVENTION: HUMAN CASPASE-14 COMPOSITIONS
; FILE REFERENCE: BBI-111
; CURRENT APPLICATION NUMBER: US/09/845,028
; CURRENT FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 60/199,962
; PRIOR FILING DATE: 2000-04-27
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 242
; TYPE: PRT

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; ORGANISM: Homo sapiens
US-09-845-028-9

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Query Match      18.8%; Score 274.5; DB 9; Length 242;
Best Local Similarity 31.6%; Pred. No. 3.4e-20;
Matches 80; Conservative 40; Mismatches 104; Indels 29; Gaps 9;

Qy      31 SDNSYKMDYPENGLCTIINNKNFHKSTGTSRGTDVDAANLRETFRLKYEVRKNDLTR 90
Db      7 NTEKYMDSGARLALILCVTK-----AREGSEBDLDALEHMFRLRFEESTYKRP 56
Qy      91 TREIYELMDVSKEDHSKRSSFVC---VLSHGEEGIIFGTNGPYDLKKTNFF---RG 144
Db      57 TAEQFEELEKFOQADISREDPVSCAFVVLMAHGREGLKGEDG--EWKLENLFEALNN 114
Qy      145 DRCRSLTGKPKLFIQACRGTLEDGIEFDGSDVDDMAC---HKIPVADFLYASTAP 200
Db      115 KNCQALRAKRVYIIQACRGEQDPG-ETVGGDEIVMVKDSPQITPTDYLHYSTVE 173
Qy      201 GYSWNSKDGSWFIQSLCAMLKQYADKLEFMHILTRVNRKVATEFESFPDATHAKKO 260
Db      174 IAYRHQKSGCFIQTLDVDFTK--RKGHILELLETVRRMA-EAEIVQ---EGKARKT 227
Qy      261 IPIVSMLTRKELY 273
Db      228 NPEIQSTLRKRLY 240

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RESULT 12
US-09-851-873-105
; Sequence 105, Application US/09851873
; Publication No. US20030165488A1
; GENERAL INFORMATION:
; APPLICANT: Kietzen, Rolf F
; APPLICANT: Reardon, Irene M
; TITLE OF INVENTION: HUMAN CASPASE-12 MATERIALS AND METHODS
; FILE REFERENCE: 28341/00233
; CURRENT APPLICATION NUMBER: US/09/851,873
; CURRENT FILING DATE: 2001-05-08
; NUMBER OF SEQ ID NOS: 105
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 105
; LENGTH: 242
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-851-873-105

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```

Query Match      18.8%; Score 274.5; DB 12; Length 242;
Best Local Similarity 31.9%; Pred. No. 3.4e-20;
Matches 80; Conservative 39; Mismatches 103; Indels 29; Gaps 9;

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Qy      33 DNSYKMDYPENGLCTIINNKNFHKSTGTSRGTDVDAANLRETFRLKYEVRKNDLTR 92
Db      9 EKKYMSGARLALILCVTK-----AREGSEBDLDALEHMFRLRFEESTYKRPDTA 58
Qy      93 EEIYELMDVSKEDHSKRSSFVC---VLSHGEEGIIFGTNGPYDLKKTNFF---RGDR 146
Db      59 EGFQEELEKFOQADISREDPVSCAFVVLMAHGREGLKGEDG--EWKLENLFEALNNK 116
Qy      147 CRSLTGKPKLFIQACRGTLEDGIEFDGSDVDDMAC---HKIPVADFLYASTAPGY 202
Db      117 COALRAKRVYIIQACRGEQDPG-ETVGGDEIVMVKDSPQITPTDYLHYSTVEGY 175
Qy      203 YSWNSKDGSWFIQSLCAMLKQYADKLEFMHILTRVNRKVATEFESFPDATHAKKOIP 262
Db      176 IAYRHQKSGCFIQTLDVDFTK--RKGHILELLETVRRMA-EAEIVQ---EGKARKTNP 229
Qy      263 CIVSMLTRKELY 273
Db      230 EIQSTLRKRLY 240

```

RESULT 13

US-09-764-803A-2
 ; Sequence 2, Application US/09764803A
 ; Patent No. US20020034812A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Van de Graen, Marc
 ; APPLICANT: Declercq, Wim
 ; APPLICANT: Vandenabeele, Peter
 ; APPLICANT: Fiers, Walter
 ; TITLE OF INVENTION: NEW CASPASE HOMOLOGUE
 ; FILE REFERENCE: 2676-4661US
 ; CURRENT APPLICATION NUMBER: US/09/764, 803A
 ; CURRENT FILING DATE: 2001-01-17
 ; PRIOR APPLICATION NUMBER: PCT/EP99/04939
 ; PRIOR FILING DATE: 1999-07-12
 ; PRIOR APPLICATION NUMBER: EP 9820242.6
 ; PRIOR FILING DATE: 1999-07-17
 ; NUMBER OF SEQ ID NOS: 24
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO: 2
 ; LENGTH: 257
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 US-09-764-803A-2

Query Match

18.8%; Score 274; DB 9; Length 257;
 Best Local Similarity 31.5%; Pred. No. 4.2e-20;
 Matches 86; Conservative 41; Mismatches 104; Indels 42; Gaps 10;

QY 23 SESMDGSLDNSYKMDYPEMGLCIINNNKFNHSTGTSRGTDVDAANLRETFRLNLY 82
 DB 3 SEMSDPQPLQEEERYMNGARLALTLCVTK-----AREGSEVDMEALERMFRLYKF 52
 QY 83 EVRNKNDLTR-----EIVELMRDYSKEDHSKRSSFVCVLLSHGEGIIFGTNGP-VDLKK 137
 DB 53 ESTMKRDPDPAQGFLELDEPQQTINWEEPVSCARV-VLMHAGEEGLLKGEDEKAVRLIED 111
 QY 138 ITNFRGDRCSRLTKPKLFIIOACRGTELDGIE---TDSGVD-----DDMACRK--- 185
 DB 112 LFEVLNNKCKALKRKPXYIIOACRGHRDPGEELRGNEELGDEELGDEGVAVLKNP 174
 QY 186 --IPVADFLVYSTAPGYSWRNKDSGSMFIOSLC-AMLKQYADKLEFMIILTRV--NR 240
 DB 172 QSIPTVDTLHLYSTVEGLSYRHDKSGSGFIQTLTDVFIHKKSILELLEITRLMANT 231
 QY 241 KYATEFESFSDATFAKKQIPIVSMULTKELY 273
 DB 232 EVMQEGK-----PRKVNPEVQSTLRKELY 255

RESULT 14

US-09-989-903-2
 ; Sequence 2, Application US/09989903
 ; Patent No. US20020146804A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Alnemri, Emad S.
 ; APPLICANT: Fernandez-Alnemri, Teresa
 ; TITLE OF INVENTION: CASPASE-14, AN APOPTOTIC PROTEASE, NUCLEIC ACID ENCODING
 ; FILE REFERENCE: 480140.434D1
 ; CURRENT APPLICATION NUMBER: US/09/989, 903
 ; CURRENT FILING DATE: 2002-04-11
 ; NUMBER OF SEQ ID NOS: 78
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 2
 ; LENGTH: 260
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 US-09-989-903-2

Query Match 18.8%; Score 274; DB 10; Length 260;
 Best Local Similarity 31.5%; Pred. No. 4.3e-20;
 Matches 86; Conservative 41; Mismatches 104; Indels 42; Gaps 10;

QY 23 SESMDGSLDNSYKMDYPEMGLCIINNNKFNHSTGTSRGTDVDAANLRETFRLNLY 82
 DB 6 SEMSDPQPLQEEERYMNGARLALTLCVTK-----AREGSEVDMEALERMFRLYKF 55
 QY 83 EVRNKNDLTR-----EIVELMRDYSKEDHSKRSSFVCVLLSHGEGIIFGTNGP-VDLKK 137
 DB 56 ESTMKRDPDPAQGFLELDEPQQTINWEEPVSCARV-VLMHAGEEGLLKGEDEKAVRLIED 114
 QY 138 ITNFRGDRCSRLTKPKLFIIOACRGTELDGIE---TDSGVD-----DDMACRK--- 185
 DB 115 LFEVLNNKCKALKRKPXYIIOACRGHRDPGEELRGNEELGDEELGDEGVAVLKNP 174
 QY 186 --IPVADFLVYSTAPGYSWRNKDSGSMFIOSLC-AMLKQYADKLEFMIILTRV--NR 240
 DB 175 QSIPTVDTLHLYSTVEGLSYRHDKSGSGFIQTLTDVFIHKKSILELLEITRLMANT 234
 QY 241 KYATEFESFSDATFAKKQIPIVSMULTKELY 273
 DB 235 EVMQEGK-----PRKVNPEVQSTLRKELY 258

RESULT 15

US-10-068-564-2
 ; Sequence 2, Application US/10068564
 ; Publication No. US20030040096A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Alnemri, Emad S.
 ; APPLICANT: Fernandez-Alnemri, Teresa
 ; TITLE OF INVENTION: CASPASE-14, AN APOPTOTIC PROTEASE, NUCLEIC ACID ENCODING
 ; FILE REFERENCE: 480140.434C2
 ; CURRENT APPLICATION NUMBER: US/10/068, 564
 ; CURRENT FILING DATE: 2002-02-05
 ; NUMBER OF SEQ ID NOS: 78
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 2
 ; LENGTH: 260
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 US-10-068-564-2

Query Match 18.8%; Score 274; DB 15; Length 260;
 Best Local Similarity 31.5%; Pred. No. 4.3e-20;
 Matches 86; Conservative 41; Mismatches 104; Indels 42; Gaps 10;

QY 23 SESMDGSLDNSYKMDYPEMGLCIINNNKFNHSTGTSRGTDVDAANLRETFRLNLY 82
 DB 6 SEMSDPQPLQEEERYMNGARLALTLCVTK-----AREGSEVDMEALERMFRLYKF 55
 QY 83 EVRNKNDLTR-----EIVELMRDYSKEDHSKRSSFVCVLLSHGEGIIFGTNGP-VDLKK 137
 DB 56 ESTMKRDPDPAQGFLELDEPQQTINWEEPVSCARV-VLMHAGEEGLLKGEDEKAVRLIED 114
 QY 138 ITNFRGDRCSRLTKPKLFIIOACRGTELDGIE---TDSGVD-----DDMACRK--- 185
 DB 115 LFEVLNNKCKALKRKPXYIIOACRGHRDPGEELRGNEELGDEELGDEGVAVLKNP 174
 QY 186 --IPVADFLVYSTAPGYSWRNKDSGSMFIOSLC-AMLKQYADKLEFMIILTRV--NR 240
 DB 175 QSIPTVDTLHLYSTVEGLSYRHDKSGSGFIQTLTDVFIHKKSILELLEITRLMANT 234
 QY 241 KYATEFESFSDATFAKKQIPIVSMULTKELY 273
 DB 235 EVMQEGK-----PRKVNPEVQSTLRKELY 258

Search completed: December 29, 2003, 16:46:52
 Job time: 33 secs